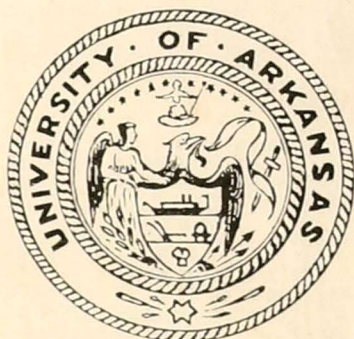


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CALENDAR

1906

JANUARY

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Calendar, 1906-1907

1906

- SEPT. 19. *Academic Year Begins* in all Departments at Fayetteville—Wednesday.
- SEPT. 19-22. Examinations for Admission to B. A., B. S., Engineering, Normal, and Preparatory Courses—Wednesday to Saturday.
- SEPT. 24. Fall Term Begins in the Law School, Little Rock—Monday.
- OCT. 15. Regular Session Begins in the Medical School, Little Rock—Monday.

1907

- JAN. 19. Fall Term of Law School Ends—Saturday.
- JAN. 21. Spring Term of Law School Begins—Monday.
- JAN. 26. Mid-Year Examinations Begin in the Departments at Fayetteville—Saturday.
- FEB. 2. First Term Ends in all Departments at Fayetteville—Saturday.
- FEB. 4. Second Term Begins in all Departments at Fayetteville—Monday.
- FEB. 22. Washington's Birthday—Friday.
- MCH. 27. Thirty-sixth Anniversary of the Foundation of the University of Arkansas—Wednesday.
- APR. 13. Regular Session Ends in the Medical School, Little Rock—Saturday.
- MAY 1. Last Day for Receiving Essays for the William Jennings Bryan Prize—Wednesday.
- MAY 30. Memorial Day—a Holiday—Thursday.
- JUNE 1. Final Examinations Begin in the Departments at Fayetteville—Saturday.
- JUNE 1. Spring Term of Law School Ends—Saturday.
- JUNE 3. Memorial Day—a Holiday—Monday.
- JUNE 9. Baccalaureate Sermon, U. of A. Chapel—Sunday.
- JUNE 12. *Commencement*—Wednesday.

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Origin

The University of Arkansas owes its origin to an act of congress, approved July 2, 1862, providing that public lands should be granted to the several states, to the amount of "30,000 acres for each senator and representative in congress," from the sale of which there should be established a perpetual fund, "the interest of which shall be inviolably appropriated by each state, which may take and claim the benefit of this act, to the endowment, support, and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislatures of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life." The act forbids the use of any portion of the aforesaid fund, or of the interest thereon, for the purchase, erection, or maintenance of any building or buildings. The states accepting the provisions of the act are required to provide for the construction and maintenance of the necessary buildings, and for the expenses of administration in carrying out the purposes of the act.

The general assembly of the state of Arkansas accepted the national law by passing an act, approved March 27, 1871, which provided for the location, organization and maintenance of the University of Arkansas, and which allowed the several counties of the state to compete until a certain time for the location of the University by making public or private donations of bonds, moneys, or lands. Several individuals and communities made bids: Washington, the only county that competed, voted \$100,000. Fayetteville, Washington County, voted \$30,000 in addition, and was selected as the seat of the University. The institution was opened January 22, 1872.

Under an act of congress, approved March 2, 1887, the University receives \$15,000 annually for the maintenance of the experiment station, "to aid in acquiring and diffusing among the people useful and practical information on subjects connected with agriculture, and to promote scientific investigation and experiment respecting the principles and applications of agricultural science."

Under an act of congress, approved August 30, 1890, the University receives \$25,000 annually, "to be applied only to instruction in agriculture, the mechanic arts, the English language, and the various branches of mathematical, physical, natural and economic science, with special reference to their application to the industries of life."

Purpose

The University is at the head of the public educational system of the state of Arkansas. It seeks to foster the higher educational interests of the state, broadly and generously interpreted, and to make provision for the demands of advanced scholarship in as many lines as its means will permit. It is the aim of its faculty and board of trustees, from year to year, to bring it into still closer articulation with the public schools of the state, and in connection with them to afford to all the youth of either sex ample facilities for liberal education in literature and science, and technical education in the industrial arts and professional studies.

Through the aid received from the United States and from the state of Arkansas, the University is enabled to offer to its students free tuition, except in the studies of law, medicine, music, and art, and to open wide her doors to all seekers of learning.

Location

Five of the eight divisions of the University, viz.: the College of Liberal Arts, Sciences and Engineering, the Preparatory School, the Conservatory of Music and Arts, the College of Agriculture, and the Agricultural Experiment Station, are located at Fayetteville, Washington County, Arkansas. Situated in the heart of the Ozark Mountains, it is more than 1,500 feet above the sea level. The location is thought to be unsurpassed in salubrity of climate, in beauty of surrounding scenery, in variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

Students may reach Fayetteville from both the north and the south by the Texas branch of the St. Louis & San Francisco Railroad, which has three trains daily each way, and various connections with other roads, both north and south. From the west students may reach Fayetteville by the Ozark & Cherokee Central Railroad.

The College of Liberal Arts, Sciences, and Engineering

Fayetteville.

JOHN NEWTON TILLMAN, B. L. L. 421 N. College Ave.
President.

B. L. L., University of Arkansas, 1880; present position since 1905.

JOHN CLINTON FUTRALL..... 226 N. College Ave.
Professor of Ancient Languages.

Student, University of Arkansas, 1888-1890; B. A. and M. A., University of Virginia, 1894; graduate student of classical philology, Universities of Bonn and Halle, 1899-1900; studied and traveled in Italy and Greece, 1900; member of the Archaeological Institute of America; vice-president for Arkansas of the Classical Association of the Middle West and South; present position since 1894.

GEORGE WESLEY DROKE, A. M. 103 Hill St.
Professor of Mathematics and Astronomy.

A. B., University of Arkansas, 1880; A. M., University of Arkansas, 1884; assistant in the Preparatory School, University of Arkansas, 1880-1884; Professor of English, Coronal Institute, San Marcos, Texas, 1885; Principal, Public School, Bentonville, Arkansas, 1886; assistant in the Preparatory School, University of Arkansas, 1887-1891; Adjunct Professor of Mathematics, University of Arkansas, 1892-1893; Associate Professor of Mathematics, University of Arkansas, 1894-1896; graduate student several short terms in Johns Hopkins University, and the University of Chicago; present position since 1897.

JULIUS JAMES KNOCH, M. S., C. E. 402 N. College Ave.
Professor of Civil Engineering.

B. S., Grove City College, 1886; Instructor in German and Mathematics, Grove City College, 1886-1888; M. S., Grove City College, 1889; C. E., Cornell University, 1892; practical work, 1892-1893; Adjunct Professor of Civil Engineering, University of Arkansas, 1893-1894; Associate Professor of Civil Engineering, University of Arkansas, 1894-1896; present position since 1896; member of the Society for the Promotion of Engineering Education; associate member, American Society of Civil Engineers.

WILLIAM NATHAN GLADSON, M. S. E. E., Ph. D.,
820 W. Maple St.
Professor of Electrical Engineering and Physics.

B. M. E., Iowa State College, 1888; Construction Engineer and Expert, Thomson-Houston Electric Co., 1888-1891; Draughtsman and Engineer on World's Fair Work for Westinghouse Electric and Manufacturing Co., 1891-1892; Assistant Professor of Electrical Engineering, Ohio State University, 1892-1893; with Westinghouse Electric and Manufacturing Co., 1893-1894; Associate Professor of Electrical Engineering, University of Arkansas, 1894-1897; M. S. E. E., 1896; Ph. D., 1898; Professor of Electrical Engineering, University of Arkansas, 1897-1904; present position since 1904; member of the American Institute of Electrical Engineers; member of the Society for the Promotion of Engineering Education.

ALBERT HOMER PURDUE.....538 Leverett St.

Professor of Geology and Mining.

Graduate, Indiana State Normal School, 1886; Principal, High School, Sullivan, Indiana, 1886-1887; Superintendent of Schools, West Plains, Missouri, 1887-1888; student, Purdue University, 1888-1889; A. B., Leland Stanford, Jr., University, 1893; graduate student, 1893-1894; Principal, High School, Rensselaer, Indiana, 1894-1895; Senior Fellow, Department of Geology, University of Chicago, 1895-1896; Professor of Geology, University of Arkansas, 1896-1903; Professor of Geology and Mining since 1903; Assistant Geologist, Geological Survey of Arkansas, 1892; Superintendent, Arkansas Mineral Exhibit, Louisiana Purchase Exposition; member, American Institute of Mining Engineers; Fellow, Geological Society of America; member of other scientific societies.

FRANK WELBORN PICKEL, A. B., M. Sc..808 W. Maple St.

Professor of Biology.

A. B., Furman University, 1886; M. S., University of South Carolina, 1890; M. Sc., University of Chicago, 1899; Teacher in Public School, 1886-1888; Instructor in Biology, and Bacteriologist of Experiment Station in University of South Carolina, 1889-1891; Professor of Natural Science in A. & M. College of Florida, 1891-1892; graduate student, Johns Hopkins University, 1892-1894; Professor of Greek and German, Mississippi College, 1895-1897; graduate student, University of Chicago, 1897-1899; present position since 1899.

ERNEST WALKER, B. S. A.....524 Leverett St.

Professor of Horticulture.

B. S. A., Cornell University, 1897; Instructor in Horticulture, Cornell University, 1897; Assistant Professor of Horticulture, Clemson College, and Entomologist and Assistant Horticulturist of the South Carolina Experiment Station, 1897-1898; Professor of Entomology, Clemson College, and Entomologist of the South Carolina Experiment Station, 1898-1900; present position since 1900; State Entomologist since 1903; member of the Society for Horticultural Science, and Association for the Promotion of Science; Secretary of the State Horticultural Society since 1900; State Vice-President of the American Pomological Society.

JOSEPH WILLIAM CARR, A. M., Ph. D...353 Highland Ave.

Professor of English and Modern Languages.

A. B., Harvard University, 1893; A. M., Harvard University, 1895; English and Classical Master, St. Bartholomew's School, Morristown, New Jersey, 1894-1897; graduate student of Germanic and Romance Philology, University of Leipzig, 1897-1899; Ph. D., University of Leipzig, 1899; Instructor in German, Harvard University and Radcliffe College, 1899-1900; acting head of the German Department, West Virginia University, 1900-1901; Associate Professor of English and Modern Languages, University of Arkansas, 1901-1902; present position since 1902; member of the Modern Language Association of America, and the Goethe-Gesellschaft in Weimar, Germany; state secretary of the American Dialect Society.

WILLIAM SMYTHE JOHNSON, Ph. D...346 Arkansas Ave.

Professor of Philosophy and Pedagogy.

A. B., Ouachita Baptist College, 1890; Instructor in Mathematics, Ouachita Baptist College, 1890-1892; President of Mountain Home Baptist College, 1892-1896; graduate student, Yale University, 1896-1899; Ph. D., Yale University, 1899; Lecturer in Psychology, Yale University, 1899-1900; Professor of Psychology and Pedagogy, Louisiana State Normal College, 1900-1902; present position since 1902.

JOHN HUGH REYNOLDS, A. M. 814 W. Maple St.
Professor of History and Political Science.

A. B., Hendrix College, 1893; A. M., University of Chicago, 1897; Principal, High School, and County Examiner, Rover, 1893-1896; Vice-President, and Professor of History and Political Science, Hendrix College, 1897-1902; Secretary, Arkansas Historical Association; Arkansas Member of Public Archives Commission of American Historical Association; Secretary, Arkansas History Commission; Author, *Makers of Arkansas History*.

BURTON NEILL WILSON, B. Sc. M. E. . . . 241 N. College Ave.
Professor of Mechanical Engineering.

B. Sc. M. E., Georgia School of Technology, 1896; studied at the University of Michigan, 1903; Instructor in Mechanical Engineering, University of Arkansas, 1896-1899; Adjunct Professor of Mechanical Engineering, and Superintendent of Buildings and Grounds, 1899-1902; present position since 1902; member, American Society of Mechanical Engineers.

CHARLES HILLMAN BROUGH, A. M., LL. B., Ph. D.,
 346 Arkansas Ave.

Professor of Economics and Sociology.

A. B. Mississippi College, 1894; A. M., Mississippi College, 1899; Fellow in Political Economy, Johns Hopkins University, 1897-1898; Ph. D., Johns Hopkins University, 1898; LL. B., University of Mississippi, 1902; Professor of Philosophy, History and Economics, Mississippi College, 1898-1901; Professor of Economics and History, Hillman College, 1902-1903; present position since 1903; member of American Economic and Historical Associations; First Vice-President, Arkansas State Historical Society.

ROBERT BOYD POWERS (West Point), Captain, Seventh
 Cavalry, U. S. A., Washington Hotel.
Professor of Military Science and Tactics.

Graduate of West Point, 1896; commissioned officer since 1896; present position since January 31, 1905.

CHARLES GEIGER CARROLL, A. M., Ph. D.,
 224 W. Dickson St.
Professor of Chemistry.

A. B., Southwestern University, 1896; A. M., *ibid.*, 1897; Ph. D., Johns Hopkins University, 1904; Professor of Chemistry, Southwestern University, 1900-1904; present position since September, 1905.

EDGAR FINLEY SHANNON, A. B. 15 N. Duncan Ave.
Associate Professor of English and Modern Languages.

A. B., Central University of Kentucky, 1893; Principal of Princeton, Arkansas, Public Schools, 1893-1894; Associate Professor of Ancient Languages, University of Arkansas, 1895-1902; student at the summer sessions of Harvard University, 1902, 1903, 1904; present position since 1902; member of the Modern Language Association of America.

BOLLING JAMES DUNN, A. M. 129 E. Dickson St.
Associate Professor of Mathematics.

A. B., Bethel College, 1871; A. M., Bethel College, 1874; Principal of Arkadelphia Baptist High School, 1877-1886; Professor of Mathematics, Ouachita Baptist College, 1886-1894; Principal of the Preparatory School, University of Arkansas, 1894-1898; present position since 1898.

ALVIN ARTHUR STEEL, B. Sc. in C. E., E. M.,
308 St. Charles St.

Associate Professor of Geology and Mining.

B. S. in C. E., University of Nebraska, 1899; E. M., Columbia University in the City of New York, 1900; Assistant in Chemistry, University of Nebraska, 1898-1899; with Omaha and Grant Smelter, 1898; Assistant Engineer, B. & M. R. R., 1899; Practicing and Consulting Engineer, with Fernando Mining Co., San Fernando, Durango, Mexico; the Greene Consolidated Copper Co., La Cananea, Sonora, Mexico; the Pacific Consolidated Copper Co., Pyramid, Nevada; and the Engineering Co., of America, in several parts of the United States and Mexico, 1900-1904; Assistant Engineer of Briquetting Experiments, U. S. G. S. Coal Testing Plant, Louisiana Purchase Exposition, 1904; present position since 1905.

HUGH ELLIS MORROW, B. S. A. 305 Lafayette Ave.

Adjunct Professor of Chemistry.

B. S. A., University of Arkansas, 1904; present position since 1904.

HEINRICH SCHAPPER, E. E., B. S. S. Hill St.

Adjunct Professor of Electrical Engineering and Physics.

E. E., Karlsruhe, 1903; B. S. (Physics), Massachusetts Institute of Technology, 1904; present position since 1904.

ANTONIO MARINONI, A. M. 224 W. Dickson St.

Adjunct Professor of Romance Languages.

A. B., Regio Licco, Desenzano (Italy), 1898; graduate student, University of Padua, 1899-1900, and Yale University, 1902-1904; A. M. *ibid.*, 1904; Lecturer in the Romance Languages and Literatures, Columbia University in the City of New York, 1904-1905; Adjunct Professor of Romance Languages, University of Arkansas, since 1905; member, Modern Language Association of America.

BRAINARD MITCHELL, JR.,

Adjunct Professor of Mechanical Engineering.

Senior, University of Arkansas, 1905-1906; present position since 1905.

VIRGIL PROCTOR KNOTT, B. C. E. 402 N. College Ave.

Instructor in Civil Engineering.

B. C. E., University of Arkansas, 1904; present position since 1904.

ESTELLE McMILLAN BLAKE. 616 Ida Ave.

Instructor in English and Modern Languages.

Graduate of the Houston Normal Institute, 1887; teacher of English, Ouachita Baptist College, 1887-1903; teacher of English, West End Conservatory, New York City, New York, 1903-1904; present position since 1905; member, Mod. Lang. Assoc. of America, and Amer. Dialect Soc.

ELLIS BLAINE CRITZER. 346 Arkansas Ave.

Instructor in Mechanical Engineering.

Student, Miller Manual Training School, 1892-1899; Instructor in the same institution, 1899-1905; practical training in Richmond, Va., and Philadelphia, Pa.; present position since 1905.

REV. ARCHIBALD LEE HARVEY, B. A. Oriental Hotel.

Instructor in English and Modern Languages.

B. A., University of Toronto, Canada, 1899; student of theology, Knox College (Presbyterian), Toronto, 1899-1902; graduate in theology, Knox College, 1902; Licentiate, 1902; graduate student, University of Toronto, 1902-1905; Instructor in English and Modern Languages in the University of Arkansas since 1905.

LEE SEDWICK OLNEY, B. E. E. 820 W. Maple St.

Assistant in Electrical Engineering.

B. E. E., University of Arkansas, 1905; present position since 1905.

AUGUSTA NELKEN 616 Ida Ave.

Training Teacher in the University Normal Department.

Graduate of the Southern Academic Institute, 1894; Louisiana State Normal College, 1896; graduate student, University of Chicago, 1900-1901; Training Teacher, Louisiana State Normal College, 1901-1905; present position since 1905.

JOHN GRISSOM,

Engineer.

Equipment of the University at Fayetteville

UNIVERSITY HALL.

This is a brick structure with cut stone trimmings and a stone foundation. It is four stories in height above the basement. It consists of a front building, two hundred and fourteen feet in length, and two wings, each one hundred and twenty-four feet in depth, the whole forming three sides of a quadrangle. This building contains a large number of class rooms, chapel, departmental libraries of mathematics, and English and modern languages, general library and collegiate study hall, separate study halls for the boys and girls of the Preparatory School, armory, magazine, band room, laboratories for biology, geology and mining engineering, music and art rooms, president's and commandant's offices, natural history museum, literary society halls, toilet rooms, etc., in all, seventy rooms, together with broad corridors and stairways. The building is heated by steam, lighted by electricity, and supplied with water from the city waterworks.

ENGINEERING HALL.

Engineering Hall is located on the main driveway, just south of University Hall. It accommodates the departments of electrical, civil, and mechanical engineering, with offices, lecture rooms, and laboratories. It is built of native sandstone and pressed brick, with limestone trimmings.

The building is one hundred and fifty by fifty-eight feet, four inches, three stories high, and contains thirty-two rooms, aggregating about 26,000 square feet of floor space. A corridor divides the building from east to west and is intersected at the middle by another hallway from the front of the building, thus giving easy access to any room.

In addition to the laboratories, offices, lecture rooms, and draughting rooms of departments of engineering, there is an assembly room on the first floor for the accommodation of the engineering societies, and other gatherings too large to be accommodated in a lecture room.

The library and reading room contains engineering magazines, journals, and technical works on engineering.

MECHANICAL HALL.

Mechanical Hall was built to take the place of the building consumed by fire on October 20, 1902. It is of brick, forty feet wide and one hundred and fifty-five feet in length, with an ell thirty-five by forty feet, and contains the machine shop, wood shop, foundry, and forge shop. The shops will accommodate about seventy-five students at one time. Adjoining on the east is a boiler room fifty-three by fifty-four feet, containing three fire tube boilers of seventy horse-power each, and one water tube boiler of one hundred horse-power, also the necessary pumps, injectors, water heaters, etc.

BUCHANAN HALL.

This is a substantial and handsome brick building, three stories high, and containing over forty rooms. It is favorably located, with a view to the health of the occupants, and convenience of access to University Hall. The rooms are large, well ventilated and lighted, and open into broad corridors extending lengthwise through the building. From a wide veranda in front there are three entrances to the building. There are also two rear entrances. Behind the hall a brick bath house has been erected, which contains bath and toilet rooms, supplied with cold and hot water.

HILL HALL.

In honor of Lieutenant-General Daniel Harvey Hill, C. S. A., who served ably as president of the University of Arkansas from June 16, 1877, until June 6, 1884, the name "Hill Hall" has been given the building known until 1906 as the "New Dormitory."

This structure, for which a special appropriation was made by the general assembly of 1901, is located west of University Hall, and north of Buchanan Hall, and is convenient of access to both buildings. It is a substantial brick structure, three stories high, with a foundation of range stone work, and with trimmings of dressed limestone, and contains in all some twenty-five rooms. The first story contains a commodious dining hall, thirty-eight by eighty-six feet, which is sufficiently large to accommodate all students who occupy rooms in University dormitories. On this floor also are kitchen, storeroom, furnace room, coal bin, etc. The second and third stories contain some twenty rooms for students, besides ample corridors, stairways.

etc. By the aid of the superintendent and the liberality of the students and citizens a handsome suite of parlors has been tastefully and elegantly furnished. The entire building is heated by steam, lighted by electricity, and supplied with water by the city waterworks.

EXPERIMENT STATION.

The original buildings of the agricultural experiment station are of brick, one story in height. They contain several offices, the laboratories of the station, the station museum, and several commodious storerooms. Belonging to the department of agriculture are a large barn, stock shed, dairy house, and other necessary outbuildings. There is also a handsome and conveniently located cottage residence for the manager of the University farm.

HORTICULTURAL BUILDING.

This structure is twenty-three by sixty feet, is heated by steam, and supplied with improved ventilating apparatus and other modern conveniences. Attached to this is a building twenty-four by thirty feet, which is designed to be used as a laboratory for plant study. The equipment thus provided furnishes much-needed facilities for study and research to all persons interested in plant life, and especially to students of horticulture.

New Buildings.

Six new buildings provided by the general assembly of 1905 will be ready for occupancy by the fall of 1906. All of them are of fire-proof construction, with brick walls, slate roofs, stone foundations, and granite trimmings, except that the dairy building has stone walls and a shingle roof.

Messrs. Charles L. Thompson and Oscar M. Gates, both of Little Rock, were the architects for the new chemical laboratory, the young women's dormitory, and the young men's dormitory. Messrs. Reed & Heckenlively, of Springfield, Mo., were the architects for the agricultural and dairy buildings and the hospital. The work on all of these buildings was superintended by Mr. Oscar M. Gates of Little Rock. A detailed description of each of the new buildings follows:

NEW CHEMISTRY BUILDING.

On the first floor are located laboratories for qualitative and quantitative analysis, organic and physical chemistry, a private

office and laboratory, a balance room, and the department for state fertilizer analysis.

The second floor has the general lecture room, accommodating over one hundred and fifty students, with raised seats, giving each student full view of the lecturer's demonstrating table. Occupying all the opposite end of the second floor is the general chemistry laboratory, thirty-eight by forty-two feet, with a large balance room, storage room, and other accessories.

In the basement are the general storage space, a room for the gas machine, and a room for furnaces.

ELLA CARNALL HALL.

The dormitory for young women is named "Ella Carnall Hall" in honor of Ella Carnall, Ph. M., Associate Professor of English and Modern Languages in the University of Arkansas, who died much-beloved by both pupils and fellow-teachers, and who bequeathed to the University her library of useful works on modern philology.

Ella Carnall Hall is designed to be complete within itself, having its own toilet and bath rooms, dinings room, kitchen, and an independent steam heating plant. The building faces south, with a frontage of one hundred and ninety feet, and an eastern and western exposure of one hundred and six feet.

The first floor contains a large parlor and a library, each thirty by thirty-four feet, and situated to the right and the left respectively, of the main entrance, with a reception room and parlor adjoining. In the rear wings of this story are the dining room, recreation room (each thirty-five by forty feet), kitchen, and pantry. The east and west wings contain each a group of five bed rooms with a toilet and bath room with a ten-foot veranda extending across the front and ends of these wings.

The second story has thirty-six bed rooms, four large linen closets, and four toilet rooms.

In the third story are eight full-sized bed rooms, two toilet rooms, and ten rooms for individual piano practice. The latter are isolated in the east and west wings in such a manner as not to interfere with study or any other work going on in the building.

The arrangement of this building is such that every bed room has two large outside windows giving ample light and ventilation, one large wardrobe, and one alcove with book shelves. The

rooms average twelve by fourteen feet or over, and accommodate two students each.

All halls are well lighted and ventilated. The toilet rooms are so grouped and arranged as to give perfect sanitation at all times, and the stairways, four in number, are at the most convenient points to feed the building equally. This building has a pleasing exterior, distinguished by its massive but well-proportioned lines, its spacious verandas, and generally home-like and inviting appearance.

GRAY HALL.

This is a dormitory for young men. It is named in honor of Colonel Oliver Crosby Gray, C. S. A. Born and educated in Maine, he became thoroughly and prominently identified with the interests of the state of Arkansas. For a number of years he was Professor of Mathematics and Commandant in the University of Arkansas.

It is the purpose in the arrangement and planning of Gray Hall to provide as many bed rooms as possible with every comfort and convenience patterned after the U. S. Army barracks, with a two-story veranda extending entirely across the front.

Each of the two floors has thirty-four bed rooms and four large linen closets. The bed rooms are of an average size of twelve by fourteen feet, for two students each, with a large wardrobe and book shelves in each room, which is amply lighted by two large outside windows.

The building is one hundred and seventy-six feet in length by ninety-two feet in total depth, and is divided into groups or wings of from four to six rooms each, each group being inclosed within a brick fire wall, and all rooms being about equally distant from the two large flights of stairs.

An excellent system of steam heat is installed and connected with the general heating plant of the University.

The general exterior is good, having wide overhanging eaves with graceful roof lines, grey stone trimmings, and a good frontage, which adds to the effectiveness.

AGRICULTURAL BUILDING.

This is a brick structure consisting of two stories and a basement. The trimmings are of stone, and the roof of slate.

The basement contains toilet rooms, a heating plant, and storage and propagating rooms.

The first story includes class rooms, a library and reading-room, a lecture room, cloak rooms, main corridors, and wide stairways leading to the second story and the basement. The main entrance is at the south side through a vestibule with tiled floor.

In the second story are the directors' office, library, and adjoining clerk's room, opening into a large bulletin room. The entire west side of the second story is used for an exhibit hall, which is twenty-seven by fifty feet. Toilet rooms are provided on this floor for the directors and clerks. The attic is reached by a wide stairway at the north end of the corridor, the attic being floored for storage purposes.

This building is fifty-four by sixty-eight feet, has steam heat and electric lights, and is modern in every particular.

DAIRY BUILDING.

This is a structure of two stories and a basement, forty-one by seventy-three feet, with a boiler room fourteen by twenty-eight feet at the south end.

The basement is divided into compartments for cheese curing, refrigerators, repair and work-rooms, etc., with cement floors.

The first floor is of cement, suspended to I beams by corrugated bars, and divided for creamery, dairy, and cheese rooms, etc., with a milk intake at the west side.

The second floor is divided into commodious rooms, an office and library, laboratory, reading room, lecture room, milk testing laboratory, and lavatory.

The attic is floored for storage purposes, and reached by a stairway from the corridor of the second floor.

HOSPITAL.

This is a one and one-half story brick building, forty-five by sixty-two feet, with a stone basement. The latter contains a kitchen, dining-room, pantries, and a storage cellar with cement floors. The first story has a wide recreation and service corridor the entire length, with a fireplace and vestibule entrance; a reception room and parlor with a fireplace; an open ward for men, with four beds; a men's bath and toilet room; a public toilet room; adjoining the men's bath room, the fully equipped wound-dressing and operating room; a private ward for men and one for women; also a large open ward for women and the women's

bath room; and a contagious ward entirely isolated from the rest of the building, with its own toilet room and fireplace. The second story contains four large finished rooms for the use of nurses and servants, or other purposes, if it is desired, plenty of closets, a linen room, and a large store room. The building is supplied with hot and cold water and electric lights, and is modern in every particular. It looks more like a home than a hospital.

GENERAL LIBRARY AND DEPARTMENTAL LIBRARIES.

The general library, occupying the second floor of the north wing of University Hall, is for the use of the whole University. All students who have matriculated may take out books, one volume at a time, and may keep them one week. Officers of the University have access to the shelves, and students engaged in advanced work, upon recommendation by their instructors, are allowed to have books reserved from those parts of the collection with which they are occupied. The reading room of the general library is a study hall for *collegiate* students only.

The leading high class periodicals (including magazines, reviews, and various technical monthlies) are taken and bound as they accumulate. This vast fund of current literature is rendered more useful and accessible by Poole's Complete Index to periodic literature from 1802 to the present time. Forty-five magazines, thirty-five weekly, and seven daily papers are received by the general library.

The general library contains over 9,000 books and 3,000 pamphlets, with a catalogue on cards, which is accessible to the public and consists of two parts, the one arranged by authors, the other by subjects.

In addition there are departmental libraries, open to advanced students engaged in research work, and in charge of the heads of the several departments. These special libraries contain the following numbers of volumes:

English and Modern Languages: U. H. 30; 975 bound books; 205 unbound books. PROFESSOR CARR.

Mathematics and Astronomy: U. H. 34; 306 books; 45 pamphlets. PROFESSOR DROKE.

Chemistry: Chemical Laboratory; 128 books; 140 journals; 950 pamphlets. PROFESSOR CARROLL.

Biology: U. H. 32; 250 books.

PROFESSOR PICKEL.

Geology and Mining: U. H. 39; 1,227 books; 1,929 pamphlets.

PROFESSOR PURDUE.

Civil Engineering: Eng. Hall; 200 books.

PROFESSOR KNOCH.

Agriculture and Horticulture: Experiment Station; 1,768 books; 10,000 pamphlets; 35 journals.

DIRECTOR VINCENHELLER.

Preparatory School: U. H. 12, 13, and 25; 180 books.

PRINCIPAL RAMSEY.

Expression: U. H. 38; 75 books.

MRS. CROCKETT.

Thus the various branches of the University library contain 14,109 books and 16,129 pamphlets.

DEPARTMENTAL LIBRARY OF ENGLISH AND MODERN LANGUAGES.

Those books which have been purchased with the funds of the department of English and modern languages, or have been presented to it in the way of donation or bequest, now form a *reference* library in room 30 of University Hall. By paying a deposit of twenty-five cents, students of the third and fourth year classes in English and modern languages become entitled to keys to this library, and free access to its shelves. This collection of carefully selected volumes relating to the various phases of modern philology is an invaluable aid to advanced students. It is practically a private library for the individual student, and the laboratory of the department. The room is plainly but suitably furnished with settees, chairs, library table, and desk, and ornamented with the busts and portraits of authors, and pictures of literary significance.

THE LABORATORIES, ETC.

In the laboratories of the University opportunities are afforded for practical instruction in chemistry, mineralogy, physics, botany, zoology, entomology, horticulture, and in civil, mechanical, electrical, chemical, and mining engineering.

CHEMICAL LABORATORIES.

The work in chemistry is carried on in the newly erected Chemistry Building. On the first floor of the building are laboratories for qualitative and quantitative analysis, organic chemistry, physical chemistry, the balance room, and a library. On the

second floor is a large lecture room and the general laboratory for first-year students. In the basement are store rooms and the laboratory for assaying. The various laboratories are well provided with work-tables, sinks, hoods, water, and gas. The department is provided with apparatus sufficient for the present needs.

BIOLOGICAL LABORATORY.

The biological laboratory is located on the third floor of University Hall, and has accommodation for about forty students. The laboratory is furnished with work tables, a sink, and the necessary gas fixtures for incubators, sterilizers, etc., also an aquarium for keeping aquatic animals and plants on hand for observation and study. The equipment in apparatus consists of Bausch and Lomb compound microscopes, dissecting microscopes, microtomes, and such other apparatus and chemicals as are needed for practical work in biology. There is a collection of insects, and also apparatus for collecting, drying, preserving, and mounting insects. The laboratory has a number of skeletons of different animals, and models and charts for teaching plant and animal anatomy.

LABORATORIES OF GEOLOGY AND MINING ENGINEERING.

The geological department is provided with aneroid barometers, compasses, hand-levels, pedometer, etc., for field work. There is also a well-equipped laboratory for determinative mineralogy.

MECHANICAL ENGINEERING LABORATORY.

The laboratory contains the following machinery: One ten horse-power Kerr steam turbine, one fifteen horse-power slide valve steam engine; one ten horse-power Weber gasoline engine, one thirty-five horse-power Westinghouse compound steam engine, one $4\frac{1}{2} \times 3\frac{1}{2} \times 4$ duplex steam pump, one fifty horse-power Wheeler condenser with air, water and circulating pumps, and one 60,000-pound Rheile testing machine.

The laboratory is well provided with apparatus for experimental work, including a Mahler Bomb calorimeter for testing fuels, an apparatus for flue gas analysis, steam calorimeters, six engine indicators, two injectors, an assortment of thermometers, pressure gauges, measuring tanks, feed water heaters, water meters, scales, etc.

The steam boilers used for heating the University buildings are arranged so as to be available for experimental work, and the shop engine, a Corliss, is also used for purposes of instruction.

Among the facilities for instruction in engineering contained in the equipment of the mechanical department in addition to that given under the heading of shops, mechanical engineering drawing room, and mechanical laboratory may be mentioned a Deane steam pump with airchamber, water and steam cylinders and valve chambers sectioned, so that a student may see the working parts; a Cameron steam pump with a steam cylinder sectioned, showing the valve motion; a Knowles pump in full working order; a Blake steam pump in section; sections of injectors; a model of Stevenson's link motion; and a collection of samples of manufactured articles, such as steam pipe coverings, leather beltings, lubricating oils, etc.

PHYSICAL LABORATORY.

The first floor of Science Hall, with the exception of one lecture room, was devoted to physics. This building was condemned and taken down. The next general assembly is expected to appropriate for a new physical laboratory.

ELECTRICAL LABORATORIES.

The dynamo laboratory affords excellent facilities for experimental work with practical machinery. It is located in the east end of the basement of Engineering Hall.

The power is supplied by a 30 horse-power, vertical type, double cylinder, gasoline engine. A 60-cell, 300 ampere-hour storage battery supplies current for experiments in which an absolutely steady power is desired.

There are direct current dynamos and motors, of the constant current and constant potential types. Single, two and three phase alternators supply current at various voltages and frequencies. There are transformers, converters, synchronous and induction motors, with a liberal supply of measuring instruments for use with the various machines.

The senior laboratory is located on the first floor of Engineering Hall, and is supplied with direct current at 110, 220 and 500 volts. Alternate current, single phase at 50, 100 or 200 volts and 60 cycles. Two phase, 60 cycle at 110 or 220. Three phase at 110 or 220 volts, with a frequency of 60 to 133 cycles per second.

A high tension testing transformer supplies current at any voltage up to 120,000 volts for testing of insulators, while standard cells, a Kelvin balance and a potentiometer furnish means for calibrating the laboratory measuring instruments. The equipment enables students to carry on experimental work of a very wide range and to obtain proficiency in operating and testing electrical machinery.

Students are also permitted to inspect the plant of the Fayetteville Electric Light & Power Company, and to make measurements and make tests on it. Their primary mains supply the electrical laboratory with alternate current at 60 cycles and 2,000 volts.

The photometric laboratory, which also serves as a photographic and X-ray dark room, is supplied with a standard photometer bar, Lummer-Brodhun screen and Amylacetate lamp. It is connected by cable with the switchboards in the storage battery room and in the dynamo room.

CIVIL ENGINEERING LABORATORY AND EQUIPMENT.

The instrument laboratory for this department is located on the first floor of Engineering Hall, and is provided with all the necessary instruments for work in land, railroad, and city surveying and office work. The equipment of field instruments has been selected so as to afford students the opportunity of becoming familiar with the instruments of the different manufacturers. Among the instruments there are a number of engineers' transits and Y levels, theodolites, transit with solar attachment, compasses, hand levels, standard and ordinary steel tapes, plane tables, sextant, aneroid, and mercurial barometers, etc. An equipment for practical astronomy has been added, consisting of a large altazimuth, reading to seconds by levels and micrometers; a sidereal clock with break-circuit attachment; and a chronograph reading to tenths of seconds.

CEMENT LABORATORY.

The laboratory for cement and hydraulic work is situated in the northwest corner of the basement in Engineering Hall, and occupies a well-lighted room having a floor space of 2,450 square feet. It has a cement floor with floor drains to facilitate work in experimental hydraulics, and is provided with piers built up from the ground for use with delicate instruments.

The equipment for the purpose of testing the strength of mortars and cement, includes one 2,000-pound tensile testing machine, one 1,000-pound automatic machine, Vicat's and Gilmore's needles, brass molds for briquettes, compression and transverse test pieces, storage tanks, sieves, steaming apparatus for blowing tests, apparatus for accelerated tests, specific gravity, etc.

A 4,000-pound tensile machine for testing steel, and a 5,000-pound machine for testing transverse strength of bars, etc., have recently been added to the equipment. The laboratory also contains a large foundry rattler and other equipment for testing stone and brick for paving purposes.

For work in hydraulics there are weir tanks, weir plates, water meters, water wheels, turbines, etc.

The laboratory is provided also with a complete blue-printing outfit, consisting of printing frames, washing tanks, etc.

SHOPS.

The machine shop contains a Corliss engine, which runs the machinery in the whole building, a large iron planer, a shaper, several lathes of different sizes and makes, drill press, grinding machines, milling machine, and a good supply of hand tools, benches, and materials.

The forge shop contains eight Buffalo forges with down draft, which takes the smoke away through underground pipes, thus avoiding the smoke and dirt of the ordinary blacksmith shop. It also contains a shearing and a punching machine, eight anvils of different weights, and all the necessary blacksmith tools for the eight forges.

The wood shop contains one buzz planer, one large cylinder planer, circular saw, band saw, mortising and boring machine, five smaller lathes, one 18-inch pattern maker's lathe, and twenty-six benches, each equipped with a complete set of carpenter's tools.

The foundry contains one Colleau cupola with a capacity of one and one-half tons of iron per hour, one brass furnace of one hundred and fifty pounds capacity. Buffalo pressure blower and a core oven.

The boiler room contains three seventy horse-power fire tube boilers, and one water tube boiler of one hundred horse-power, feed pumps, injectors, measuring tanks, etc.

The various departments of the shop building afford facilities for giving practical instruction to seventy-five students at one time.

MECHANICAL ENGINEERING DRAWING ROOM.

The equipment includes the usual tables and stools; and among the special apparatus and instruments may be mentioned the planimeter, odontograph, slide rule, protractor, section liner, etc. A blue print room contains complete facilities for the details of the blue print process. One room is provided with photographic facilities, which will be used to prepare lantern slides and prints illustrating various branches of engineering.

PHYSICAL CULTURE ROOM.

A large room on the north wing of University Hall is set apart for the use of the department of physical culture, and has been furnished, as far as means were available, with the equipment necessary for systematic physical training.

THE ARMORY.

The armory is a large well-lighted room, sixty by eighty feet, occupying the entire basement of the north wing of University Hall. It is substantially fitted up with arm racks, compartments for equipments, and other conveniences. Two adjacent rooms are assigned to the military department, and are used as band room and storeroom.

The equipment of the department consists of three hundred Springfield cadet rifles, of the same model as those used at the United States Military Academy at West Point, three hundred sets of infantry equipments, twenty-seven cadet swords (West Point pattern), national colors, flags, signal equipments, ammunition, etc., and a superior set of band instruments. Next year the department will be equipped with Krag-Jorgensen rifles.

The arms and equipments are furnished the University by the national government. The other equipments have been purchased by the University, and belong to the military department.

THE MUSEUM.

The museum occupies a large portion of the fourth floor of University Hall. The material of the museum has been collected with the view of facilitating instruction in geology and biology, and also to make it of interest to the visiting public. That portion of the collection suitable for display is arranged in glass cases, while the working collection is in drawers. Sloping-top cases with drawers beneath afford space for several thousand specimens.

Relief Maps. For illustration in geology and general interest to the public, there have been placed in the museum the following relief maps: geological relief maps of the state of Arkansas, Colorado Canyon, central Tennessee and the United States; a convex relief map of the United States on a section of a globe sixteen feet in diameter; a relief map of Carmel Bay, California; Ice Spring craters, Utah; Yosemite Valley; Palestine; Mount Vesuvius; the state of California; San Francisco Peninsula; and a sectional geological relief map of the Leadville region, Colorado.

The Mineral Collection. The mineral collection contains about three thousand specimens, representing the different mineral groups. Many of these specimens are displayed in cases.

The Petrographic Collection. The most valuable part of this collection consists of the series furnished by the United States geological survey, representing sedimentary, igneous, and metamorphic rocks. Besides this, there is a valuable collection of building and other stones from different parts of the country.

Paleontological Collection. There is a large collection of invertebrate fossils in the museum, mainly representing the fauna of the different geological horizons in northern Arkansas.

The Major Earle Collection. Major F. R. Earle has deposited in the museum his private collection of minerals and fossils. The collection was formerly in Cane Hill College.

The Zoological and Botanical Collection. This collection consists of two hundred birds and mammals, representing eighty species; two hundred reptiles and amphibians, representing forty species; fifteen hundred fishes, representing three hundred and fifty species; one thousand insects and other invertebrates, representing two hundred species; several skeletons.

Donations to the museum will be gratefully acknowledged, and the donors may be sure that anything of value sent to it will be carefully preserved and duly credited to the donor. Collections in the hands of private parties are likely to be soon scattered and destroyed through lack of care or improper handling. The museum is now prepared to receive collections on deposit, and to preserve and to display them under the owner's name until called for.

Though the museum is most important on account of its educational value, it at the same time serves an important purpose in representing the resources of this state.

ATHLETIC FIELD.

For the accommodation of the University football and baseball teams and spectators there is an excellent athletic field with a covered grandstand.

Admission to the College

***GENERAL CONDITIONS OF ADMISSION.**

Candidates for admission are urged to be present on the opening day of the session. Admission at a later date is not refused, but it is attended with greater or less inconvenience.

Students on their arrival at Fayetteville should report promptly to the president. Needless delay in reporting, or unseemly conduct may justify exclusion from the University.

Applicants should present certificates of honorable discharge from the institution last attended, or furnish other testimonials of good moral character.

Entrance examination will be required of all students entering the University, except those who bring certificates from accredited preparatory schools or from reputable colleges or universities. For the time at which these examinations will be held, see page 48.

ADMISSION TO THE FRESHMAN CLASS.

The requirements for admission to the Freshman class consist partly of constants, or required subjects, and partly of electives. At present a student must present for admission to the B. A., B. S., and Normal courses thirty-one credits; to the engineering courses, twenty-four credits. One credit is regarded as the equivalent of one recitation of sixty minutes, or two recitations of thirty minutes each, in a study for a school year of thirty-six weeks. Below will be found a detailed statement of the requirements for admission to the different courses:

FOR THE B. A., B. S., B. S. A., AND NORMAL COURSES.

Required:

English, 8 credits.

Algebra, 5 credits.

Plane Geometry, 4 credits.

United States History, 3 credits.

General History, or Greek and Roman History, 3 credits.

Total, 23 credits.

*For the terms of admission to the Preparatory School, see pages 121-2.

Required in addition, 8 credits selected from the following groups:

Group A.

Latin, 8 credits.
Greek, 8 credits.
French, 8 credits.
German, 8 credits.

Group B.

Physical Geography, 2 credits.
Physiology, 2 credits.
Botany, 2 credits.
Zoology, 2 credits.
Physics, 2 credits.
Chemistry, 2 credits.
English History, 2 credits.
Civil Government, 2 credits.
Bookkeeping, 2 credits.
Freehand Drawing, 2 credits.
Manual Training, 2 credits.
Mechanical Drawing, 2 credits.

Candidates for the B. A. degree will be required to present eight credits from group A, all in one language.

Candidates for the B. S. or B. S. Agr. degree, or for the Normal course, will be required to present eight credits selected from group A or B, or both.

No college credit is given for any subject in Group B, unless the approval of the accredited school committee and of the professor in charge of the subject is obtained.

FOR THE ENGINEERING COURSES.

Required:

English, 8 credits.
Algebra, 5 credits.
Plane Geometry, 4 credits.
United States History, 3 credits.
Total, 20 credits.

Required in addition, 4 credits selected from any one of the subjects in A, or any two in B.

ENTRANCE EXAMINATION SUBJECTS.

The following statement will indicate the amount of work in both required and elective subjects which a student may offer in making up his entrance credits, but has no reference to what

work will be required if college credit is sought in these subjects.

English.*

I. *Composition.* The candidate will be required to write a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number, perhaps ten or fifteen, drawn in 1906, 1907, and 1908 from the following works:

Shakspeare's *Merchant of Venice* and *Macbeth*; *The Sir Roger de Coverley Papers* in the *Spectator*; Irving's *Life of Goldsmith*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe* and *Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *Passing of Arthur*; Lowell's *Vision of Sir Launfal*; Eliot's *Silas Marner*.

II. *Careful Study.* A certain number of books will be prescribed for careful study. This part of the examination will be upon subject-matter, literary form, and logical structure, and will also test the candidate's ability to express his knowledge clearly and accurately. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong. The books prescribed for this part of the examination in 1906, 1907, and 1908, are:

Shakspeare's *Julius Cæsar*; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Addison*, and *Essay on Boswell's Life of Johnson*.

The candidate is expected to read intelligently all the books mentioned in I. He should read them as he reads other books; he is expected, not to know them minutely, but to have freshly in mind their most important parts. In every case knowledge of the book will be regarded as less important than ability to write English. As additional evidence of preparation, the candi-

*SPECIAL ANNOUNCEMENT.—No candidate will be admitted to the Freshman class in English who does not present official evidence that he has completed the English course of an accredited school, or who does not pass a written examination based upon the requirements mentioned in detail in this catalogue. Furthermore, no candidate will be admitted to this examination who does not certify that he has read all the works prescribed for reading, and studied carefully all the works prescribed for careful study. No substitutions will be allowed.

date may present an exercise-book, properly certified by his instructor, containing compositions or other written work.

Though there is no formal examination in grammar or rhetoric, no candidate will be accepted in English whose work is seriously defective in point of spelling, grammar, idiom, punctuation, or division into paragraphs.

In connection with the reading and study of the prescribed books, parallel or subsidiary reading should be encouraged, and *a considerable amount of English poetry should be committed to memory.*

Algebra. *Five Credits.*

To simultaneous quadratic equations, with special attention to factoring, the theory of exponents and radicals.

Plane Geometry. *Four Credits.*

All of plane geometry will be required for admission to the Freshman class. A note-book containing the solution of at least one hundred and fifty original exercises shall be submitted for examination.

United States History. *Three Credits.*

The completion of Montgomery's Leading Facts or an equivalent. Five recitations a week for a year.

General History. *Three Credits.*

The completion of Meyer's General History or an equivalent. Five recitations a week for one year.

History of Greece and Rome. *Three Credits.*

The completion of Meyer's History of Greece, and Meyer's History of Rome, or equivalent. Five recitations a week for one year.

English History. *Two Credits.*

The completion of some good History of England, like Montgomery's or Larned's. At least three recitations a week for one year.

Latin. *Four Credits.*

(a) First Latin Book complete; text-book: Collar & Daniell, Bennett, or an equivalent.

(b) Cæsar and prose composition. Four books of Cæsar, with twenty-five lessons in Bennett's Latin Composition, or the equivalent.

Greek.*Four Credits.*

(a) The completion of White's Beginner's Greek, or an equivalent.

(b) Three books of Xenophon's Anabasis, with the whole of Collar & Daniell's Greek Prose Composition.

Elementary German.*Four Credits.*

The examination will be suited to the proficiency of those who have had two years of German in a preparatory school, or the equivalent of German 1 (see page 88 of this catalogue), and will test (a) the candidate's knowledge of the rudiments of German grammar; (b) ability to read easy prose at sight, and (c) to translate simple English sentences into German. The candidate should have read two hundred pages of easy prose.

Advanced German.*Four Credits.*

The examination will be suited to the proficiency of those who have had at least three years of German in a preparatory school, or the equivalent of German 2 (see page 88 of this catalogue), and will test the candidate's ability to read (a) modern German prose and poetry at sight, and (b) to translate easy English narrative into German. The candidate should have read three hundred and seventy pages of the works of Riehl, Freytag, Heine, Lessing, Goethe, and Schiller, and thirty pages of lyrics and ballads.

Elementary French.*Four Credits.*

The examination will be suited to the proficiency of those who have had two years of French in a preparatory school, or the equivalent of French 1 (see page 89 of this catalogue), and will include (a) the translation at sight of ordinary nineteenth century prose; (b) the translation from English into French of sentences to test the candidate's familiarity with elementary grammar. The candidate should have read three hundred pages of simple prose.

Advanced French.*Four Credits.*

The examination will be suited to the proficiency of those who have had at least three years of French in a preparatory school, or the equivalent of French 2 (see page 89 of this catalogue), and will test the candidate's ability (a) to translate standard French prose and poetry at sight, and (b) to turn easy English prose into French. The candidate should have read six hundred pages in the works of such authors as Daudet, Loti, Sandeau, Corneille, Racine, and Molière.

Chemistry.*Two Credits.*

Remsen's Chemistry (Elementary Course), Freer's Elements of Chemistry, or Hessler & Smith's Essentials of Chemistry, or an equivalent. A laboratory note-book covering two hours of laboratory work per week for one year must be presented for examination.

Physics.*Two Credits.*

Gage's Elements of Physics, Appleton's School Physics, or Hall & Bergen's Physics, or an equivalent; sufficient apparatus for the teacher to perform all the experiments. A laboratory note-book covering two hours of laboratory work per week for one year must be presented for examination.

Physiology.*Two Credits.*

Martin's Human Body, or an equivalent.

Botany.*Two Credits.*

Gray's Lessons in Botany and Vegetable Physiology, or an equivalent. A laboratory note-book covering two hours of laboratory work for one year must be presented for examination.

Zoology.*Two Credits.*

Packard's Zoology, elementary course, and Boyer's Laboratory Guide, or an equivalent. A laboratory note-book covering two hours of laboratory work for one year must be presented for examination.

Civil Government.*Two Credits.*

McLeary's Civil Government, and Arkansas and the Nation, or an equivalent. At least three recitations a week for one year.

Bookkeeping.*Two Credits.*

Credits in bookkeeping will be given upon the presentation of the certificate of the instructor stating the amount of work done, when accompanied by a complete set of practice books in double entry, satisfactorily written.

Free-Hand Drawing.*Two Credits.*

Specimens of drawings from models and machine parts shall be presented for examination, or credit may be given on good art drawings.

Shop Work.*Two Credits.*

Credits in manual training, carpentry, machine shop, forge shop, or foundry will be accepted.

**ORDER OF EXAMINATIONS FOR ADMISSION
IN 1906.**

Wednesday, September 19.—9 a. m., registration of students; 1 to 3 p. m., Geometry.

Thursday, September 20.—1 to 4 p. m., Algebra.

Friday, September 21.—1 to 4 p. m., Latin.

Saturday, September 22.—9 a. m. to 12 m., English Composition and Literature; 1 to 2:30 p. m., United States History; 2:30 to 4 p. m., General History.

The order of examinations in other subjects will be announced at the opening of the University.

**EXAMINATIONS AT PLACES OTHER THAN
FAYETTEVILLE.**

Students living at a distance from the University may obtain special examinations near their homes, if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school, or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

ADMISSION BY CERTIFICATE.

The graduates of accredited schools are admitted to the Freshman class in the University without examination, provided, in all cases, certificates from the principal of the school attended be presented, containing specific statements of the kind and extent of work done in the studies in which credits are desired. Blank forms for such certificates will be furnished by the University. Students from schools regularly accredited to other reputable colleges and universities will be admitted to the Freshman class without examination, *provided*, they present evidence that such schools are duly accredited and that they have completed the work required for admission to the Freshman class of this University in the courses which they desire to take.

A student who presents a certificate of scholarship from a high school, academy, or college not on the list of accredited schools, is required to take such examinations as may be prescribed. The result of such examinations, together with the certificates, will be passed on and proper credit allowed by the professors of the departments which such student proposes to enter.

ADMISSION TO ADVANCED STANDING.

Candidates for admission to classes in advance of the Freshman will be required to pass satisfactory examinations in the subject previously pursued by the class which they propose to enter. But such candidates coming from colleges or universities of good standing, may, on the presentation of the proper certificates as to the studies pursued, be admitted provisionally to such standing and upon such terms as the faculty may deem equitable in each case.

ACCREDITED SCHOOLS.

Any school desiring accredited relations with the University should make application to the accredited school committee. The application should state clearly the text-books used, the length of the school term and of recitation periods, equipments such as library and scientific apparatus, the names of teachers doing high school work, with their qualifications as shown by education and experience. When this information is received, the University will, if it is deemed best, send an officer of the

institution or some other competent person to inspect the school; and from the data secured from all sources the University will decide whether or not the school shall be accredited. But as the University has neither funds nor an officer set apart for this purpose, delays may occur in visitation; the authorities, however, will be as prompt in the matter as possible.

The principals of accredited schools should report annually all changes in course of study and teaching force. The University may visit an accredited school or may call for information at any time. Failure to keep the University informed regarding the school may be the occasion of dropping the same from the list. To prepare for the Freshman class the course of study should not be less than three years of thirty-six weeks each, based on an elementary course of seven or eight years. The University looks with distrust upon pretentious schools; and, if the course of study announced by a school applying for accredited relations is more than the teaching force can well do, that fact will prejudice the cause of the school.

LIST OF ACCREDITED SCHOOLS.

Below is given a list of schools already accredited. New names are added from time to time. No effort is made in the list given below to classify the schools. Some of them do more work than is required for entrance; while others fall short of meeting entrance conditions in one or two subjects. A record is kept by the University of the subjects in which each school is accredited.

SCHOOL.	PRINCIPAL.
Amity High School.....	S. M. Samson.
Argenta High School.....	C. P. Baker.
Arkansas Cumberland College....	J. Thompson Baker.
Arkansas Military Academy.....	R. C. Hall.
Atkins High Schools.....	J. P. Bingham.
Batesville High School.....	I. C. Gibson.
Bellefonte High School.....	W. D. Jeter.
Belleville High School.....	M. Sullivont.
Bentonville Academy.....	E. E. Bagwell.
Camden High School.....	H. H. Harper.
Choctaw High School.....	W. E. Halbrook.
Clarendon High School.....	J. McCullough.
Clarksville High School.....	J. W. Sallis.

SCHOOL.	PRINCIPAL.
Corning High School.....	L. M. Carter.
El Dorado High School.....	A. H. Abbott.
England High School.....	E. R. Robinson.
Eureka Springs High School.....	C. S. Barnett.
Fordyce Training School.....	M. E. Holderness.
Fort Smith High School.....	E. B. Stover.
Hamburg High School.....	J. R. McChesney.
Harrison High School.....	L. H. Potts.
Helena High School.....	S. H. Spragins.
Hinemon University High School..	J. W. Shewmake.
Hope High School.....	D. L. Paisley.
Hot Springs High School.....	G. B. Cook.
Jonesboro High School.....	D. T. Rogers.
Little Rock High School.....	H. Gates.
Lonoke High School.....	A. J. Meadors.
Malvern High School.....	R. H. Freeland.
Marianna High School.....	J. H. Andrews.
Morrilton High School.....	C. L. O'Daniel.
Mountain Home Academy.....	L. A. Morton.
Newport High School.....	William L. Wallace.
Paris Academy.....	G. S. Minmier.
Paris (Tex.) High School.....	J. P. Downer.
Pine Bluff High School.....	J. H. Thatch.
Prairie Grove High School.....	J. H. Caldwell.
Sloan-Hendrix Academy.....	Geo. J. Evans.
Southwestern Academy, Magnolia..	S. H. Lucas.
Springdale High School.....	M. F. Croxdale.
Stephens High School.....	J. P. Womack.
Stuttgart High School.....	G. G. Sampson.
Texarkana High School.....	Walter L. Hale.
Thompson's Institute, Paragould...	R. S. Thompson.
Van Buren High School.....	A. V. Hamilton.
Western Military Academy, Upper Alton, Ill.....	A. M. Jackson.

UNIVERSITY OF ARKANSAS
LIBRARY

General Information

SELECTION OF COURSES OF STUDY.

Students are allowed all reasonable freedom in choosing their courses of study. But they are required to pursue their studies in the order prescribed, and, when candidates for a degree, to complete, as a condition of graduation, all the subjects in the course leading to such degree. Changes in the course of study selected are discouraged, but for sufficient reasons are allowed if made within three weeks after admission; subsequently no such change can be made during the session except by the express permission of the faculty.

NUMBER OF RECITATIONS.

Not less than twelve nor more than sixteen recitations or their equivalent per week, exclusive of military science and tactics, may be taken by B. A. and B. S. students except by permission of the faculty. These conditions apply to engineering students, except that they may have not more than eighteen recitations a week. Two hours of laboratory, shop or farm work, drawing or sight reading, are counted equivalent to one recitation. If fewer than twelve recitations or their equivalent per week are specified in any course, studies must be elected to make up the deficiency.

CLASSIFICATION OF STUDENTS.

The satisfactory completion of the work of a class as attested by daily recitations and examinations is the condition of enrollment in a higher class. Some margin, however, is allowed for making up studies in arrears. But more than six hours per week required for such studies or more than six hours per week omitted from the studies of a given class prevent enrollment therein, except that in the engineering courses the number in both cases may be as many as eight. No student who has more than six hours per week of unfinished preparatory work can be classified as Freshman.

SPECIAL STUDENTS.

1. Students are advised to pursue in all cases in which it is practicable, some one of the regular courses leading to a degree. The number of these courses and the liberal provision for electives allow sufficient play for individual preference in the selection of subjects required for a liberal and well rounded education.

2. Students who are not candidates for a degree, but who have completed all the studies below the Freshman class, may elect a special course of study under the supervision of the classification committee and with the approval of the professors in charge of the subjects chosen.

3. Persons not under twenty-one years of age may elect a special course of study under the direction of the faculty, provided they show by examination or otherwise that they are qualified to pursue profitably the studies which they propose to take up.

4. Students in special courses are subject to the same regulations and to the same examinations in the studies pursued as all other undergraduate students.

MID-YEAR AND FINAL EXAMINATIONS.

1. Examinations, chiefly in writing, are held near the end of each term. The grades are determined by combining the values of the daily recitations and of the examinations, and are divided into four groups, as follows: Excellent (E); Good (G); Fair (F); Poor (P). A grade not lower than F is required for a "pass," which is the equivalent of about 75 per cent. At the end of each term a report is made to the parent or guardian of each student showing his progress, general conduct, etc.

2. If a student has failed in any study, he may nevertheless be allowed to take up the next study in advance, provided he be deemed by the professor in charge of the department to which the study belongs not incompetent to pursue it; but he will be required to pass a satisfactory examination in the study in which he failed, or take it up with the next class.

3. If a student has proved competent to continue his advanced work, but has not completed all the preceding studies in his course, he must resume the latter, and if he be found to be over-worked, he will be required to drop a part of his advanced work.

APPOINTMENT OF BENEFICIARIES.

Beneficiary appointments entitle the holders to free tuition. Such an appointment may be obtained from the county judge of the county in which the student resides, or from the president on arrival at the University. The total number of beneficiaries allowed to the state is one thousand.

EXPENSES.

It is the object of the University to give the best possible education at the lowest possible cost. Tuition is free to all students. A matriculation fee of five dollars is charged all candidates for admission. The following estimates are based upon the actual expenses of students for the session of 1905-1906:

	Low.	Medium.	Liberal.
Clothes, including uniform..	\$ 20 00	\$ 40 00	\$ 65 00
Board, laundry, etc.....	112 00	120 00	135 00
Books, instruments, etc.....	10 00	15 00	20 00
Incidentals	15 00	30 00	35 00
Matriculation fee.....	5 00	5 00	5 00
	<hr/>	<hr/>	<hr/>
	\$162 00	\$210 00	\$260 00

Fees are payable in advance. Board bills are payable monthly in advance. A diploma fee of five dollars is charged for all graduates. All dues are to be paid or satisfactorily adjusted before diplomas are conferred.

STUDENT LABOR.

A large part of the student body work during vacant hours to meet part of their expenses.

The general assembly has established a student labor fund, which provides work for deserving young men and women who need help to meet their college expenses. Considerable manual and clerical labor is necessary to carry on the various departments of the University, and students who desire to work are employed when practicable and paid at the rate of ten cents per hour. The requests for work always exceed the amount of money appropriated, and the University makes no promises to furnish employment for wages to all who apply.

BOARD FOR YOUNG MEN.

Rooms in the University dormitories are free, but occupants provide their furniture, fuel, and lights. Students leaving the University frequently sell their furniture at a small reduction. If there are not rooms enough for all, preference is given to Arkansas students. An officer of the University is in charge of the building, and the rooms are inspected by the faculty whenever it is deemed necessary.

Students boarding elsewhere are under the supervision of the president of the University, and are allowed to board only at places approved by him. No student is allowed to change his boarding place without the consent of the president.

NOTE.—The reception committee of the Y. M. C. A. will endeavor to meet all trains and assist the incoming students in finding eligible boarding places.

BOARD FOR YOUNG WOMEN.

A dormitory under the charge of a competent matron has been provided for young women. It is preferred that they room and board there. Room rent is free to young women who are bona-fide citizens of the state. Table board is provided at actual cost.

To those young women who, for any reason, are unable to room and board at the dormitory, all necessary assistance is rendered in finding homes in private families in the town. Under these circumstances a young woman should be placed by her parents under the control of the family with whom she boards, subject to the general supervision of the president of the University.

ABSENCES AND WITHDRAWALS.

Absences from the University during the session are not permitted except for valid reasons. The right of a parent to withdraw his son or daughter at any time, without reason assigned, is recognized, but without such withdrawal the student can not be relieved of the obligation to attend to University duties. The incidental absences of students during the session are exceedingly disadvantageous, both to themselves and to the University. While, therefore, the president permits them, in cases where propriety or urgent necessity seems to make them unavoidable, it is held to be a duty to inquire into the reasons for which the permission is solicited.

Parents or guardians who wish to withdraw their children or wards from the University should write to the president stating their wishes. No honorable discharge will be given to a student under age who is unable to produce the written application of his parent or guardian for his withdrawal, nor will an honorable discharge be given to a student under censure of any kind, whether for neglect of duty or other cause, even though he may have the consent of his parent or guardian to his withdrawal from the University.

ADVISERS.

Upon entering the University every student is assigned to some officer of instruction for guidance and advice. Students are encouraged to consult their advisers fully with regard to their studies and all their interests. The advisers keep a record of students' work and endeavor to be fully informed about them in other respects.

SALE OF ARDENT SPIRITS PROHIBITED.

By an act of the general assembly of the state of Arkansas, it is unlawful for any person to sell or give away any vinous or ardent spirits within five miles of the University of Arkansas, unless they are prescribed by a regular practicing physician for medicinal purposes.

University Organizations.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

ERNEST GIVEN HOWE, General Secretary.

OBJECT.—The Young Men's Christian Association stands for what the world calls an "all-around man," that is, physically, socially, mentally, and spiritually. Of course, the primary object is to develop religious and spiritual leaders, to deepen the Christian faith, and to elevate to a higher plane the whole moral tone of the University of Arkansas.

WORK.—The distinctive work of the association is to carry on Bible and mission study through small group classes, led by

students who have had special training. Religious meetings are held every Sunday afternoon at 2:30 at the Association rooms, at which addresses are made on the ministry, association secretaryship, foreign fields, higher ideals of life, and general religious topics. Special evangelistic meetings are held once a year. Other religious work is carried on by weekly prayer services on Wednesday night from 6:30 to 7:15, and on Friday night from 6:30 to 6:45; also assisting through some of its members the work of the city mission.

BIBLE STUDY.—The life of the association is Bible study. Classes are organized among students under the direction of chosen leaders. The course is divided into four parts, corresponding to the four University years. The classes meet once a week, and discuss points which have arisen during the daily studies.

The classes are organized in boarding houses, dormitories, and wherever a group of four or five students can be brought together. The main objects are devotional, practical, and daily study of the Bible. The courses for 1906-1907 are as follows:

Freshman Course.—The Gospel according to St. Mark, by Wm. D. Murray.

Sophomore Course.—Harmony of the Gospels, and Studies in the Life of Christ, by Sharman and Burton.

Junior Course.—Acts and Epistles, Records, and Letters of the Apostolic Age, by Burton and Sharman.

Senior Course.—Studies in Old Testament Characters, by W. W. White.

As a help to these courses the following books are recommended as parallel reading:

Schurer's "History of the Jews in the Time of Jesus Christ," 5 vols	\$8 00
Mathew's "History of New Testament times in Palestine" ..	75
Trumbull's "Studies in Oriental Social Life"	2 60
Edersheim's "Sketches of Jewish Social Life"	1 10
George Adam Smith's "Historical Geography of the Holy Land"	3 60
Edersheim's "Life and Times of Jesus, the Messiah"	2 00
Gilbert's "The Student's Life of Jesus"	1 25
Stalkers' "Life of Christ"	60

MISSION STUDY.—The mission study department of the Y. M. C. A. offers three courses of study, namely:

"The Evangelization of the World in this Generation," by John R. Mott.

"Social Evils in Non-Christian Lands," by Dennis.

"Effective Workers in Needy Fields."

As parallel readings are recommended the biographies of such men as Horace Tracy Pitkin; also studies in mission fields, such as "Dawn on the Hills of Tang," by Harlan P. Beach; and "McKay of Uganda," by J. W. Harrison, which is specially recommended for engineering students.

Another branch of the missionary department is the student volunteer movement for foreign missions. This movement was organized in 1886 at Mt. Hermon, Mass. Its fourfold purpose is (1) to lead students to a thorough consideration of the claims of foreign missions upon them as a life work; (2) to foster the purpose of all students who decide to become foreign missionaries, by helping to guide and stimulate them in mission study, and in work for missions until they pass under the immediate direction of the mission boards; (3) to unite all volunteers in an organized, aggressive movement; (4) to create and maintain an intelligent, sympathetic, active interest in foreign missions among the students who are to remain on the home field, in order that they may back up this great enterprise by their prayers, their gifts and their efforts. The movement holds an international convention every four years. The last was held in Nashville, Tenn., February 28 to March 4, 1906, when 3,060 student delegates representing 700 institutions in the United States and Canada were present. There is a strong volunteer band in the University this year.

The student volunteer movement and the courses in Bible study and mission study are in the main applicable to the Young Women's Christian Association.

MEMBERSHIP.—Membership in the association is of three kinds: active, associate, and sustaining. Any man, either student, member of the faculty, or instructor in the University, who is a member of an evangelical church, may become an active member of the association.

Any man, either student, member of the faculty, or instructor in the University, of good moral character, may become an asso-

ciate member of the association. Any man desiring to aid in the support of the association may become a sustaining member. The annual dues for the active and associate members are \$2.00 and \$3.00 according to the privileges desired. The annual fee for the sustaining members is \$1.00.

EQUIPMENT.—The equipment of the Y. M. C. A. consists of an elegant suite of five rooms, composed of a lobby, an auditorium, a Bible study room, a mission study room, and a trophy room; well furnished, lighted, and heated, and supplied with the leading journals and periodicals. This was provided through the aid of an appropriation by the general assembly of Arkansas, and by the help of the Ladies' Auxiliary of Fayetteville.

BUREAU OF INFORMATION.—The association conducts a bureau of information, and will always be glad to help any student desiring assistance. During the summer all correspondence should be directed to the general secretary. A reception committee meets all trains and assists the students in finding good boarding places.

BUREAU OF EMPLOYMENT.—The association conducts an employment bureau for students who desire to work their way through the University. Various kinds of work and remuneration therefor have been prepared, and those desiring work can be brought into immediate touch with their employer by filling out a registration blank furnished by the association.

SOCIAL.—On the first night after the opening of the University a very informal "stag" reception will be given in the Y. M. C. A. rooms, to which all the young men in the University are invited. Here all the men will have an opportunity of meeting each other and their professors.

There will be two other receptions during the year to which all students and people of the town are invited. The individual Bible classes will be entertained at various intervals during the year. The two general receptions are given by the Ladies' Auxiliary.

INDORSEMENT.—The trustees and the faculty of the University heartily recommend the work of the Association, and it is earnestly desired that every parent or guardian see to it that the student under his care be encouraged to join the Association as soon as he reaches the University. "New and old students are especially and most cordially invited to join."

YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

The Young Women's Christian Association, founded September 20, 1904, is composed of young women seeking to develop their Christian character, and to win others to Christ. Prayer meetings are held Saturday evenings, and the regular religious services Sunday afternoon. During the past year the membership of the Association has been about one hundred and twenty, with nearly one hundred enrolled in Bible study and sixty-five in mission study. The Association gives several entertainments during the year, endeavoring through these to arouse a spirit of friendship among all the young women. The members of the Association will gladly assist in any way young women just entering the University.

LITERARY SOCIETIES.

There are four literary societies: the Mathetian, founded in 1873; the Garland, founded in 1886; the Periclean, founded in 1901; and the Sapphic, founded in 1906. The Mathetian society is composed of collegiate students of both sexes; the Garland and the Periclean societies, of male collegiate and preparatory students; the Sapphic, of female collegiate and preparatory students. The weekly meetings of the four societies afford excellent opportunities for improvement in composition, declamation, debate, etc.

THE RESEARCH CLUB.

The Research Club, composed of University professors and instructors, and members of the Experiment Station staff, has for its purpose the encouragement of original research work among its members. Meetings are held fortnightly, at which technical papers are read and discussed.

THE ENGINEERING CLUB.

This organization is composed of teachers and students of the various branches of engineering in the University. Regular meetings are held, at which technical papers are read and discussed, or experiments performed.

ELECTRICAL ENGINEERING SOCIETY.

The University of Arkansas Branch of the "American Institute of Electrical Engineers," which was established at the University in 1904, holds regular meetings on the first and third Tuesdays of each month.

Original papers are read, and advance copies of papers to be presented at the Institute meetings in New York are read and discussed.

DEUTSCHER VEREIN.

The Deutscher Verein, organized December 15, 1904, is composed of University teachers and students. Its object is to encourage the use of spoken German and promote the study of German life and literature. Meetings are held fortnightly in private houses.

ENGLISH CLUB.

The English Club, founded February 9, 1905, consists of University teachers and advanced students of English. This society is now making a special study of spoken English. Papers relating to the different phases of English philology are read at the meetings, which occur every other Thursday.

CERCLE FRANÇAIS.

The Cercle Français was founded by Adjunct Professor Antonio Marinoni in 1905. Its object is to encourage the use of spoken French and promote the study of French life and literature. Meetings are held fortnightly in private houses.

ATHLETIC ASSOCIATION.

The purpose of this organization is to encourage the development of the physical man.

The association as originally formed consisted of the U. of A. Athletic Club, the U. of A. Tennis Club, the U. of A. Baseball Club, and the U. of A. Football Club; and it is further provided that if any other club, organized by the students of the University for the practice of any sport, game, or exercise, not already represented by one of the members of the association, shall make a written application for membership in this association, and the said application shall be approved by the governing body of the

association, the petitioning club shall become a member of the association, with all the rights and privileges pertaining to such membership.

Faculty Rules for the Government of Athletics.

RULE 1. No one shall participate in any sport as a member of a team representing the University, unless he be a *bona fide* student doing full work in a regular or special course as defined in the catalogue.

RULE 2. No person shall be admitted to any athletic contest who receives any gift, remuneration, or pay for his services on the college team.

RULE 3. No student shall be permitted to participate in any athletic contest who is found to be a delinquent in his studies.

RULE 4. The election of managers and captains of all athletic teams shall be subject to the approval of the faculty committee on athletics.

RULE 5. Before every athletic contest in which a University team is to be engaged, the captain of such team shall submit to the chairman of the faculty committee on athletics a list of the players eligible under the rules to participate in said contest. It shall be the duty of the captain to exclude all players from the contest except those so certified.

RULE 6. The faculty committee on athletics shall require each candidate for a team to represent the University to subscribe to a statement that he is eligible under the letter and spirit of the rules adopted by the faculty.

RULE 7. No person having been a member of a college athletic team during any year and having been in attendance less than one college half year shall be permitted to play on any athletic team thereafter until he shall have been in attendance six consecutive calendar months.

Prizes.

THE WILLIAM JENNINGS BRYAN PRIZE.

A prize fund of \$250 has been bestowed upon the University through the liberality of Hon. W. J. Bryan, of Nebraska, and a prize named in his honor and consisting of the annual income of this fund will be offered each year, provided that productions worthy of its bestowal are presented.

The prize will be awarded for the best essay on some topic relating to the problems of government, and the subjects for competition will be selected in the alternate years by the department of economics and sociology, and the department of history. The contest will be open to students who have junior or senior standing, more than half of whose work has been of the grade G, and to special students in the collegiate department who have thirty-two hours' credit of a similar grade.

The subject for the year 1906-1907 will be announced in September, 1906. Further details of the plans of competition may be obtained from the professor of economics and sociology. The competitive essay must be submitted by the first of May, 1906.

THE JOHNSON PRIZE.

Professor W. S. Johnson offers a valuable loving cup to be competed for in an oratorical contest open to the members of the literary societies.

BROUGH DEBATING MEDAL.

Professor Charles Hillman Brough, of the department of economics and sociology, offers a medal of the value of \$20, or \$20 in money, as a prize for excellence in debate, to be contested for by two representatives from each of the literary societies of the University. Two debates are held during the session; one a formal, in which the speeches are prepared, and valued at sixty per cent; the other, an informal, in which the speeches are impromptu, and valued at forty per cent. These debates are designed to train students of the University in the art of forensic speaking, and to promote a friendly rivalry among the literary societies.

PRIZE IN THE GARLAND SOCIETY.

Professor George Albert Cole offers the members of the Garland Society a prize for the greatest improvement in debate.

PRIZE IN THE PERICLEAN SOCIETY.

Miss Naomi Josephine Williams, instructor in the Preparatory School, offers a prize for the best oration written and delivered by a member of the Periclean Society.

PHILBECK PRIZE.

Instructor Robert Edward Philbeck, '00, offers a valuable prize to that member of the Garland Literary Society who delivers the best original oration.

THE EDISON MEDAL.

The Edison Medal Association was founded by the friends and admirers of the great inventor, and in the language of the deed of gift, "was organized for the purpose of properly recounting and celebrating the achievements of a quarter of a century in the art of electric lighting, with which the name of Thomas Alva Edison is imperishably identified," and this purpose was given effect by the "establishment of an Edison medal, which should, during the centuries to come, serve as an honorable incentive to the youth of America to maintain by their works the high standard of accomplishment set by the illustrious man whose name and features shall live while human intelligence continues to inhabit the world."

This medal is awarded each year by a committee of the American Institute of Electrical Engineers for the best thesis or record of research on theoretical or applied electricity or magnetism. Theses or records of research may be submitted by a graduating student from any college or university in the United States or Canada, whose course of study includes the branch of electrical engineering.

Chapel Exercises.

Religious exercises, conducted by the Rev. A. L. Harvey, B. A., University Chaplain, or by an invited clergyman, are held in the University chapel every morning at twenty minutes past eight. Students are required to attend.

Churches.

The churches of Fayetteville cordially welcome the students to their Sunday schools and various meetings for prayer and religious instruction. Many students are actively engaged in the work of the different church societies and guilds.

The pastors of the city are actively interested in the spiritual welfare of the students. There follows a list of the local churches and pastors, with the addresses of the latter:

Baptist.—Pastorate vacant.

Christian (First).—Rev. N. M. Ragland, 215 E. Dickson Street.

Christian (Second).—Rev. John Hinds, Hill Street.

Cumberland Presbyterian.—Rev. R. Thomsen, 308 St. Charles Street.

Methodist Episcopal.—Rev. J. F. Ross, cor. W. Rock and School Streets.

Methodist Episcopal, South.—Rev. P. C. Fletcher, 309 Highland Avenue.

Methodist Protestant.—Rev. J. H. Kilgore, Leverett Street.

Presbyterian.—Rev. J. F. Lawson, 4 E. Lafayette Avenue.

Protestant Episcopal.—Rectorate vacant.

Roman Catholic.—Father Patrick H. Boyle, 354 N. Willow Street.

Seventh Day Adventist.—

Degrees

The following degrees are conferred by the University:

For undergraduate work:

- Bachelor of Arts (B. A.).
- Bachelor of Science (B. S.).
- Bachelor of Civil Engineering (B. C. E.).
- Bachelor of Mechanical Engineering (B. M. E.).
- Bachelor of Electrical Engineering (B. E. E.).
- Bachelor of Mining Engineering (B. Mi. E.).
- Bachelor of Chemical Engineering (B. Ch. E.).
- Bachelor of Science in Chemistry (B. S. C.).
- Bachelor of Scientific Agriculture (B. S. A.).

For graduate work:

- Master of Arts (M. A.).
- Master of Science (M. S.).
- Mechanical Engineer (M. E.).
- Civil Engineer (C. E.).
- Electrical Engineer (E. E.).
- Chemical Engineer (Ch. E.).

All the courses leading to the different bachelors' degrees are based on four years of collegiate work. The B. A. and B. S. courses are designed to give the student liberal culture; while the engineering courses are technical. The B. A. and B. S. courses are almost entirely elective, certain safeguards and restrictions being thrown around the student's choice of electives; the technical courses necessarily consist principally of prescribed work.

For the announcements of the several collegiate departments, see pp. 81-119; College of Agriculture, pp. 138-149.

Courses of Study for the Collegiate Degrees

B. A. OR B. S. COURSE.

FRESHMAN.	Peri- ods.	SOPHOMORE.	Peri- ods.
English		English	3
Mathematics	*3	The foreign language pur- sued in Freshman year	3
A foreign language	3	Some study pursued in Fresh- man year	3
Elective	3	Elective	3
	6		6

JUNIOR.	Peri- ods.	SENIOR.	Peri- ods.
Elective	15	Elective	15

*NOTE.—A period means one recitation per week throughout a college year, or the equivalent in laboratory work.

Conditions.

1. Sixty points are required for graduation.
2. At or before the beginning of the Junior year the student shall elect a major subject, and 24 periods of the 60 required for graduation shall be subject to the approval of the professor in charge of the major subject. Not more than 18 periods may be taken in any subject, and not more than 36 periods in any group.
3. Candidates for the B. A. degree shall choose their major subject from group I, II, or III., and shall offer not fewer than 9 periods from each of these groups. Not more than 9 periods may be offered from group IV. In the foreign language pursued in the Freshman year the equivalent of two years' work must be offered for admission.
4. Candidates for the B. S. degree shall choose their major subject from group II. or IV., and shall offer not fewer than 18 periods from one or both of these groups.

5. In the B. A. course the elective work of the Freshman and Sophomore years must include at least 3 periods from each of groups II. and III.

6. In addition to the requirements above mentioned, military science and tactics will be required of male students, or, whenever they are excused, one period per year in other work. One period per year in music, art, elocution, physical culture, or other work, will be required of female students.

Groups.

I. Greek, Latin, English, German, French, Spanish, Italian.

II. Mathematics, Astronomy, Chemistry, Physics, Geology, Biology.

III. History, Philosophy, Political Science, Economics, Sociology, Pedagogy.

IV. Mechanical, Civil, Electrical, Chemical, and Mining Engineering, Horticulture, Agriculture.

COURSE IN MECHANICAL ENGINEERING FOR THE DEGREE OF B. M. E.

FRESHMAN YEAR.	Hrs. per Wk.	SOPHOMORE YEAR.	Hrs. per Wk.
Mathematics, 1, 2	5	Mathematics, 4, 5	5
English, 1	3	Physics, 1	3
Chemistry, 1	3	Mechanical Drawing, M. E. 2 <i>b</i> ..	2
Mechanical Drawing, M. E. 2 <i>a</i> ..	2	C. E. 2 and 3 or a Language.....	3
Shop Work	3	Shop Work.....	3

JUNIOR YEAR.	Hrs. per Wk.	SENIOR YEAR;	Hrs. per Wk.
Mathematics, 6.....	3	Machine Design, M. E. 7.....	4
Machine Design, M. E. 3.....	3	Mechanical Laboratory, M. E. 8	2
Mechanics, M. E. 4.....	4	Hydraulic Machinery, M. E. 9	
Steam Machinery and Gas En-		first term.....	2
gines, M. E. 5.....	3	Electrical Laboratory, E. E. 5..	2
Mechanical Laboratory, M. E. 6	2	Electrical Machinery, E. E. 7..	3
Descriptive Geometry, C. E. 1		Elective.....	4
first term; Hydraulics, M. E. 9		Thesis	
second term.....	2		

All elective courses are subject to the approval of the professor of mechanical engineering.

COURSE IN ELECTRICAL ENGINEERING FOR THE DEGREE OF B. E. E.

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics 1, 2; Solid Geometry; Trigonometry, Algebra....	5	Mathematics 4, 5; Analytic Geometry, Calculus, Algebra....	5
English 1; English Composition....	3	Chemistry 1; General Chemistry....	3
Physics 1; General Physics....	3	Physics 1a; Precision of Measurements, first term.....	1
E. E. 3a, Drawing.....	2	Physics 1b; Laboratory Work....	
M. E. 1d, b Shop Work.....	2	Physics 2; 1 hour, first term; 3 hours, second term; Extension of Course 1.....	1½
Physics 1a, second term.....	1	M. E. 1c, e, Shop Work.....	2
		C. E. 1, Descriptive Geometry, first term.....	2

JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Mathematics 6; Calculus, Differential Equations.....	3	E. E. 8, Alternate Current Theory; and E. E. 9, Polyphase Electric Currents.....	3
English 2, or French 1, or German 1, or Spanish 1.....	3	E. E. 6, Electric Laboratory....	2
E. E. 7, Dynamo Electric Machinery.....	3	E. E. 4, Technical Drawing....	2
Physics 2a, Laboratory Work....	2	E. E. 11, Telegraphy and Telephony.....	2
M. E. 3, Technical Drawing....	2	M. E. 5, Steam Machinery, first term.....	3
M. E. 4, Mechanics.....	4	M. E. 6, Mechanical Laboratory, first term; and E. E. 10, Electric Railways, second term...	2
		Elective.....	2 & 5
		Thesis.....	

COURSE IN CIVIL ENGINEERING FOR THE DEGREE OF B. C. E.

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics 1, 2.....	5	Mathematics 4, 5.....	5
Chemistry 1.....	3	C. E. 2, 3, Surveying.....	3
English 1.....	3	English 2, French, German, or Spanish 1.....	3
C. E. 8, Lettering.....	2	Physics 1.....	3
C. E. 1a, Drawing.....	2	C. E. 1, Descriptive Geometry, first term.....	2
		C. E. 4, Highway Construction, second term.....	1
		Architectural Drawing, second term.....	1

JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Mathematics 6, Calculus.....	3	C. E. 15, Field Practice.....	2
M. E. 4, Mechanics.....	4	C. E. 14, Engineering Labora- tory, first term.....	2
C. E. 5, Railroad Engineering..	2	C. E. 11, Sanitary Engineering, first term.....	2
C. E. 6, Field Practice.....	2	C. E. 12, Technical Drawing....	2
C. E. 8a, Technical Drawing....	2	C. E. 13, Waterworks Engineer- ing, second term.....	3
M. E. 9, Hydraulics, second term.....	2	C. E. 9, Masonry Construction, first term.....	2
*Elective, first term.....	4	C. E. 10, Roofs and Bridges	4 & 3
Second term.....	2	Geology 5, Blowpipe Analysis, second term.....	2
		*Elective.....	3
		Thesis.....	.....

* Electives can be taken only on the approval of the professor.

COURSE IN CHEMICAL ENGINEERING FOR THE DEGREE OF B. Ch. E.

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics 1, 2; Solid Geometry, Trigonometry, Algebra, Analytic Geometry.....	5	Mathematics 4, 5; Algebra, Analytic Geometry, Calculus.....	5
Chemistry 1; General Chemistry	3	English 2; Advanced Composition.....	3
English 1; Elementary Composition.....	3	Chemistry 2; Inorganic Chemistry.....	2
M. E. 1b, c, d; Founding, Forging, Pattern Making.....	3	Chemistry 3a; Elementary Qualitative Analysis.....	3
M. E. 2, Drawing.....	2	Physics 1; Elementary Physics	3
		Physics 1a; Measurements of Precision, second term.....	1
		M. E. 1e; Iron Working.....	1
JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Mathematics 6; Calculus, first term.....	3	Chemistry 7a; Advanced Quantitative Analysis.....	3
Chemistry 4; Organic Chemistry.....	4	Chemistry 8; Theoretical Chemistry.....	2
Chemistry 5; Elementary Quantitative Analysis.....	3	M. E. 5; Steam Machinery.....	3
M. E. 3; Elementary Machine Design.....	3	E. E. 5; Electrical Laboratory..	2
M. E. 4; Theoretical Mechanics, first term. Mechanics of Materials, second term.....	4	C. E. 11; Sanitary Engineering, first term.....	2
Physics 1b; Laboratory Work..	1½	Chemistry 9; Assaying, second term.....	3
Geology 5b; Mineralogy, second term.....	3	Chemistry 13; Water Analysis, first term.....	3
		Thesis, second term.....	2

SPECIAL COURSE FOR THE DEGREE OF B. S. C.

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics, 1.....	3	Mathematics, 4, 5	5
Physics, 1	3	Economics, 1; first term, 3.....	1½
Chemistry, 1	3	French, 1.....	3
Chemistry, 3; second term, 3....	1½	German, 2.....	3
English, 1	3	Chemistry, 2	2
German, 1.....	3	Chemistry, 5	3
		Physics, 1a; second term	1

JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Mathematics, 6; first term, 1....	1½	Biology, 4; first term, 4	2
Geology, 5b; second term, 3	1½	Geology, 7; first term, 3	1½
Physics, 1b.....	1½	Chemistry, 7	3
Chemistry, 4	4	Chemistry, 9; first term, 3.....	1½
Chemistry, 5	5	Chemistry, 13; second term, 3 ..	1½
Chemistry, 8	3	Chemistry, 14; second term, 2 ..	1
		Business Law, first term, 3	1½
		Thesis.....	2
		Elective	2
		Journal Meeting .....	.....

COURSE IN MINING ENGINEERING FOR THE DEGREE OF B. Mi. E.

FRESHMAN YEAR.	Cr.	SOPHOMORE YEAR.	Cr.
Chemistry 1; General Inorganic Chemistry	3	Chemistry 3; Qualitative Analysis	3
Physics 1; Lectures in General Physics.....	3	C. E. 1; Descriptive Geometry, two hours, first term.....	1
Mathematics 1, 2; Solid Geometry, Trigonometry, Algebra.....	5	Mathematics 4, 5; Analytical Geometry, Algebra, Calculus.....	5
English 1; English Composition. C. E. 1a; Special Drawing, two hours, first term, and three hours, second term.....	3 2½	Geology 2; General Geology.....	3
		Geology 5; Crystallography, Mineralogy, and Blowpipe Analysis	3
		Mining 1; Elementary Study of Mining Methods, two hours, second term.....	1
JUNIOR YEAR.	Cr.	SENIOR YEAR.	Cr.
Physics 1b; General Laboratory Mathematics 6; Calculus, three hours, first term.....	1½ 1½	Chemistry 5; Quantitative Analysis.....	3
C. E. 2, 3; Surveying.....	3	Chemistry 9; Assaying, three hours, second term.....	1½
M. E. 4; Mechanics.....	4	Chemistry 12; Metallurgy, three hours, first term.....	1½
M. E. 9; Hydraulics, two hours, second term.....	1	M. E. 5; Engines and Boilers... ..	1½
E. E. 12; Direct Current Machinery, three hours, first term....	1½	E. E. 5; Electrical Laboratory..	1
Geology 3; Field Work, two hours, second term.....	1	Geology 7; Economic Geology, three hours, second term.....	1½
Geology 8; Rocks and Metamorphism, two hours, second term	1	Mining 3; Advanced Mining....	3
Mining 2; Details of Mining Operations, two hours, first term, and three hours, second term.....	2½	Mining 4; Engineering Problems of Mines.....	3
		Mining 8; Ore Dressing.....	2

Requirements for the Masters' Degrees

1. That before a student is admitted to candidacy for a master's degree he shall have received the corresponding bachelor's degree from this University or another institution in which the course of study is fully equivalent.

2. That not less than one year intervene between the conferring of the bachelor's and the master's degree.

3. That a course of study in one major, and not more than two minor, subjects, aggregating with a thesis sixteen hours, be pursued in residence, and that fourteen of the sixteen hours be taken regularly in the class room.

4. That the major subject, occupying, with the thesis, eight hours, shall be at least third-year work in a subject in which the candidate has at least six hours' credit.

5. That six hours' additional work shall be selected in not more than two closely related subjects, in each of which the candidate must have received at least six hours' credit.

6. That all work credited toward a master's degree must be done after the corresponding bachelor's degree has been received.

7. That in computing credit for a master's degree three hours of laboratory work shall be equivalent to one hour of recitation.

8. That the candidate write a satisfactory thesis in the major subject, the theme of which shall be approved by the head of the department six months before the final examination. For the thesis a credit of two hours shall be given.

9. That the candidate shall hand the thesis to the professor in charge of the major subject on or before the 15th of May. Before his final examination the candidate shall be questioned on his thesis by a committee composed of the professors in charge of the major and minor subjects, and a professor of another department, to be designated by the faculty.

Requirements for the Degrees of C. E., M. E., E. E., and Ch. E.

These courses of study are intended to give those students who have finished an undergraduate course in engineering additional preparation to some special line of work to which their previous study has led. The student will have all reasonable liberty in selecting such specialties and will be limited only by certain general requirements. He will be required at the beginning of the year to make up the course which he proposes to follow, and to present it, approved by the instructors concerned, to the faculty. If accepted, it will be subject to change only by the faculty. In general, it is expected that these courses shall comprise one principal subject based on the course already pursued, and two secondary subjects, one or both of which should be closely related to the principal. The graduate course should amount to not less than fifteen recitation hours per week as counted in undergraduate work.

The subject of a thesis for any of the above-mentioned degrees must be submitted to the faculty for approval before the middle of the second term.

These degrees will also be given to graduates in civil, mechanical, electrical, and chemical engineering who have been in successful practice of their profession for three years, and who have submitted a satisfactory thesis on a subject approved by the professor in charge.

Charges.—Graduate students pay ten dollars for matriculation and registration, ten dollars for tuition (non-residents, five dollars) at the beginning of each session, and ten dollars in advance for the final examination. Students who fail to comply with any of these requirements, or who do not each year complete the equivalent of two terms' work in one subject, will be dropped from the rolls. Should such students desire to resume their studies, they must pay for matriculation and registration, as if beginning for the first time. The diploma fee is five dollars in advance in each case.

Graduates attending only undergraduate classes pay the same fee as undergraduates.

Non-resident students have such assistance and instruction in their studies as can be conveniently given by correspondence.

Courses of Study Leading to Certificates

In pedagogy, mechanical engineering, electrical engineering, and music there are the following courses of study, the completion of which entitles the student to a certificate:

NORMAL COURSE.

The certificate of licentiate of instruction (L. I.) has been established by the board of trustees as a testimonial of one's knowledge of educational principles, and proficiency in the art of teaching. There are two conditions upon which the certificate of licentiate of instruction is granted:

First. To those who complete either of the prescribed courses of study as given on pp. 78, 79.

Second. To those candidates for the B. A. and B. S. degrees who have completed the Sophomore year, and who have elected ten hours of professional training work in the department of pedagogy, under the guidance of the head of the department.

At the last session of the general assembly the following bill was passed:

Be it enacted by the General Assembly of Arkansas:

"SECTION 1. That the diplomas from the teachers' training department of the University of Arkansas shall be equivalent to a teacher's professional license, which shall entitle the holder to teach in any public school of the state of Arkansas for a period of six years from and after the date of issue, and at the expiration of that time said diploma may be converted into a life certificate, provided the character of the work done by the holder thereof and his or her moral character meet with the approval of the State Superintendent of Public Instruction of the state of Arkansas.

"SEC. 2. That this act be in force from and after its passage."

The foregoing law entitles the graduates of the University normal department to teach in any county in the state for a period of six years; and if the character of the work done is satisfactory

to the State Superintendent of Public Instruction, the certificate of licentiate of instruction may be converted into a life certificate. This offers special inducements to those who anticipate teaching to attend the University normal department until they have been granted this certificate.

Admission to the University Normal Course.

The course of study covers four years, the first two of which may be done in the various high schools accredited to the University, or in other schools of equal rank.

Those holding teachers' licenses and public school certificates will not be examined in those subjects named in the certificates.

The requirements for admission to the first year class are the same as those required for admission to the first year class in the Preparatory School. See page 121.

Normal Course with Latin.

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
Arithmetic	2	Algebra	2
Algebra	3	Plane Geometry	4
English	4	English	4
U. S. History	3	Greek and Roman History	3
Beginners' Latin	4	Second Year Latin	4
Pedagogy, 2a	1	Pedagogy, 2b	1
Total	17	Total	18

THIRD YEAR.	Hrs. per week.	FOURTH YEAR.	Hrs. per week.
English, 1	3	English, 2	3
Latin, 1	3	Pedagogy, 5 and 6	5
History, 2	3	Singing and Drawing	2
Math., 1 (Solid Geom.)	1½	Horticulture and Agriculture, 4h	2
Pedagogy, 1, 4, 3	5	Economics, 1, or Science (elect- ive)	3
Total	15½	Total	15

Normal Course with Science.

FIRST YEAR.	Hrs. per week	SECOND YEAR.	Hrs. per week.
Arithmetic	2	Algebra	2
Algebra	3	Plane Geometry	4
English	4	English	4
U. S. History	3	Greek and Roman History	3
Civil Government	2	Elementary Physics	3
Physiology	2	Pedagogy, 2 <i>b</i>	1
Pedagogy, 2 <i>a</i>	1		
Total	17	Total	17

THIRD YEAR.	Hrs. per week.	FOURTH YEAR.	Hrs. per week.
English 1	3	English 2	3
History 2	3	Pedagogy 5 and 6	5
Biology 1	3	Singing and Drawing	2
Pedagogy 1, 4, 3	5	Hort. and Agr. 4 <i>h</i>	2
Science or German, 1	3	Science (Elective) or German, 2	3
Total	17	Total	15

All work done in the foregoing courses, excepting singing and drawing, is also credited on the B. A. or B. S. course. After having completed the normal course, one may, after two years of further study, receive the B. A. or B. S. degree. The completion of the first two years in either of the foregoing courses is presumed to prepare one to pass the examination for the professional license, issued by the State Superintendent of Public Instruction.

MECHANIC ARTS COURSE.

This course of two or three years, according to the preparation of the student, is designed to meet the wants of two classes of young men:

First. Those who are not able to spend the time required for the completion of the four years' course.

Second. Those who lack the necessary preparation for admission to the collegiate classes, and do not wish to become candidates for a degree.

Special attention is given to instruction in shop work and drawing, sufficient time being given to the former to enable a student to become familiar with all its branches, and to acquire proficiency in some chosen one. The time spent in the drawing

room will enable the student to make and understand machine drawings.

In the last year the technical instruction is designed to give such an elementary knowledge of mechanics, machine design and steam machinery as will enable the student to use and care for machinery intelligently. No diploma is awarded, but a certificate will be given on the completion of the course.

Students taking the mechanic arts course will be prepared to enter the Freshman class in engineering at the end of the second year if they complete second year English and can pass the examination on United States History.

Course for Certificate in Mechanic Arts.

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
Mathematics; First Year Pre- paratory.....	5	Mathematics; Second Year Preparatory.....	5
English; First or Second Year Preparatory.....	4	M. E. 4a; Mechanics and Hy- draulics.....	4
Drawing; M. E. 2.....	3	M. E. 2; Mechanical Drawing..	2
Shop Work.....	3	Shop Work.....	6

	THIRD YEAR.	Hrs. per week.
	M. E. 3, 5a; Machine Design and Steam Machinery	5
	M. E. 6; Mechanical Laboratory	2
	E. E. 12; Electrical Machinery	3
	E. E. 5; Electrical Laboratory	2
	Shop Work	4

*SHORT COURSE IN ELECTRICAL ENGINEERING.

This two years' course is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary than in the long course, embracing only the necessary mathematics, which, with electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice, in the shortest possible time.

*Candidates for this course should be at least sixteen years old and have a fair knowledge of the common school branches, especially arithmetic and algebra.

This course prepares students for practical work, such as constructing, operating, superintending, or managing lighting, power, or manufacturing plants. It does not lead to a degree, but a suitable certificate will be given on completion of the work.

Course for Certificate in Electrical Engineering.

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
E. E. 1; Electrical Engineering.	5	E. E. 12; Electrical Machinery.	3
E. E. 3a; Drawing.....	2	E. E. 3; Technical Drawing....	2
M. E. 1d, b; Shop Work.....	3	E. E. 5; Electrical Laboratory.	2
Mathematics; Second Prepara- tory Algebra and Geometry..	6	M. E. 5a; Steam Engines and Boilers.....	3
		M. E. 1c, e; Shop Work.....	3
		Mathematics; 1 and 2 Geometry; Algebra; Trigonometry.....	4

COURSE IN MUSIC.

The course in music leads to a certificate. See pp. 131-2.

*Description of Collegiate Courses

ANCIENT LANGUAGES.

J. C. FUTRALL, *Professor.*

Latin.

1. CICERO'S ORATIONS AND VIRGIL (4).—An accurate knowledge of the Latin forms is insisted upon; Barss's Writing Latin, Book 2. *For Freshmen.* M. T. W. Th. 1 and 2.

2. CICERO AND LIVY (3).—Cicero's de Amicitia et de Senectute; Livy, Burton's Selections; Nutting's Advanced Latin Composition; sight reading; Roman literature. *For Sophomores.* M. W. F. 3.

3. ROMAN PUBLIC AND PRIVATE LIFE (2).—Selections from Cicero, Pliny, Juvenal and Martial. *Prerequisite: Course 2.*

*The number to the left of the description of a course is the number of the course; the number to the right is the number of hours per week that the course is given. In general, two hours of laboratory work are considered as the equivalent of one hour of recitation. Thus a course that has two hours per week of recitation work and two hours of laboratory work is a three hour course. Unless the contrary is stated in the description of a course, all courses run throughout the year.

3a. PROSE COMPOSITION (1).—The translation of connected passages of idiomatic English into idiomatic Latin. *Prerequisite: Course 2. W. 4.*

4. HORACE AND TACITUS (2).—Horace, Odes and Epodes; Tacitus, Annals; parallel and sight reading; the metres of Horace. *Prerequisite: Course 2. T. 3; F. 4.*

5. ROMAN POETS (3).—Readings will be taken from Plautus, Terence, Catullus, Horace, Juvenal, and others, and the attention of the student will be directed rather to the literary side of the authors read than to grammatical and syntactical peculiarities. The metres of Plautus and Terence will be carefully studied. Course 5 may be taken twice and counted towards a degree, as the readings will be changed in successive years. *Prerequisite: Course 3a and 4 or 6.*

Text-books. Bennett's and Gildersleeve's Grammars; Wilkins' Primer of Roman Literature; Cruttwell's Roman Literature. Any approved edition of the Latin authors may be used, except when certain editions are prescribed. Lexicons: Harper, Lewis, White.

GREEK.

1. ELEMENTARY COURSE (3).—White's Beginner's Greek Book, with selections for reading. A thorough mastery of the forms and constructions given in this book is required. *For Freshmen. M. T. Th. 4.*

2. XENOPHON AND LYSIAS (4).—This course is intended to familiarize the student with all the ordinary Attic forms and constructions; frequent exercises in oral and written translation of English into Greek, based upon the text read, are given, and some practice in sight reading; Goodwin's Grammar. *For Sophomores. M. W. Th. F. 1.*

3. HOMER AND PLATO (3).—Systematic study of the grammar; prose composition; Greek literature; sight reading. *Prerequisite: Course 2. T. Th. 1; M. 4.*

4. THUCYDIDES AND THE DRAMA (3).—This course will be conducted on the same plan as Latin 5. *Prerequisite: Course 3.*

Text-books. Goodwin's Revised Greek Grammar; Goodwin's Greek Moods and Tenses; Pearson's Prose Composition; Higley's Exercises in Greek Composition. Any approved edition of the Greek authors may be used, except when certain editions are prescribed. Liddell and Scott's Lexicons are recommended.

ENGLISH AND MODERN LANGUAGES.

J. W. CARR, *Professor*.E. F. SHANNON, *Associate Professor*.A. MARINONI, *Adjunct Professor*.MRS. E. M. BLAKE, *Instructor*.A. L. HARVEY, *Instructor*.

English.

FRESHMAN YEAR.

I. ELEMENTARY COMPOSITION AND LITERARY HISTORY (3).—A. S. Hill's *Principles of Rhetoric* (revised and enlarged edition), and Simonds's *History of English Literature*. Recitations, weekly impromptu themes based upon assigned reading, and other written exercises; memorizing of Gray's *Elegy*; Goldsmith's *Deserted Village*; Dryden's *Alexander's Feast* and *Song for St. Cecilia's Day*; and assigned reading as follows:

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publ'r's Price Postp'd.
Oct. 2.....		Beowulf.....	Riverside, 159	.15
Oct. 9.....		Beowulf.....		
Oct. 15...Wyclif-				
	Mandeville.....	Selections.....	Maynard, 107	.12
Oct. 23...Chaucer.....		Prologue.....	Riverside, 135	.15
Oct. 30...Chaucer.....		Prologue.....		
Nov. 6...Malory.....		King Arthur, Books I, II...	Riverside, 158	.15
Nov. 13...Spenser.....		Faerie Queene, Cantos I, II.....	Maynard, 27	.12
Nov. 20...Shakspeare.....		Henry V.....	Riverside, 163	.15
Nov. 27...Shakspeare.....		Henry V.....		
Dec. 4...Bacon.....		Essays, Civil and Moral...	Maynard, 3	.12
Dec. 11...Milton.....		Paradise Lost, Book I.....	Riverside, 94	.15
Dec. 18...Dryden.....		Palamon and Arcite.....	Riverside, 125	.15
Jan. 8...Addison.....		Spectator, Selections.....	Maynard, 66	.12
Jan. 15...Swift.....		Gulliver's Travels (Lilliput)...	Riverside, 89	.15
Jan. 22...Pope.....		Rape of the Lock.....	Riverside, 147	.15
Feb. 5...Goldsmith.....		The Good Natured Man...	Cassell & Co.	.15
Feb. 12...Burns.....		Cotter's Saturday Night, etc.....	Riverside, 77	.15
Feb. 19...Wordsworth.....		Intimations of Immortality...	Riverside, 76	.15
Feb. 26...Scott.....		Lady of the Lake.....	Maynard, 20	.12
Mch. 5...Byron.....		Prisoner of Chillon, etc....	Riverside, 128	.15
Mch. 12...Keats.....		Eve of St. Agnes, etc.....	Riverside, 127	.15

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publ'rs Price Postp'd.
Mch. 19.	Lamb	Selected Essays of Elia	Riverside, 79	.15
Mch. 26.	De Quincey	Joan of Arc, English Mail Coach	Riverside, 164	.15
Apr. 2	Macaulay	Boswell's Life of Johnson	Maynard, 106	.12
Apr. 9	Carlyle	Essay on Burns	Riverside, 105	.15
Apr. 16	Ruskin	Sesame and Lilies	Riverside, 142	.15
Apr. 23	Matthew Arnold	Sohrab and Rustum	Riverside, 132	.15
Apr. 30	Dickens	Christmas Carol	Riverside, 57	.15
May 7	Thackeray	Roundabout Papers	Maynard, 50	.12
May 14	George Eliot	Adam Bede, Selections	Maynard, 67	.12
May 21	Browning	Pied Piper of Hamelin, etc.	Riverside, 115	.15
May 28	Tennyson	Enoch Arden, etc.	Riverside, 73	.15

Publishers' Addresses: (Riverside) Houghton, Mifflin & Co., branch in Chicago, Ill.; (Maynard), Maynard, Merrill & Co., branch in Chicago, Ill.; Cassell & Co., New York City.

Students should secure the books for assigned reading early, either by ordering through a bookseller, or by sending money orders or stamps to the publishers mentioned above. The excuse will not be accepted that books were ordered through a bookseller but not received.

The class will meet in six sections every Tuesday at the first, second, and sixth periods respectively, for instruction in the History of English Literature. For writing and rewriting themes, and for recitations in rhetoric and poetry, the class is divided into twelve sections, meeting each twice a week, as follows: M. Th. 1; W. F. 1; M. Th. 2; W. F. 2; M. Th. 3; W. F. 3; M. Th. 4; W. F. 4; M. Th. 6; W. F. 6; M. Th. 7; W. F. 7. *Required of all Freshmen.*

PROFESSORS CARR AND SHANNON;
INSTRUCTORS BLAKE AND HARVEY.

SOPHOMORE YEAR.

2. ADVANCED COMPOSITION; OUTLINE HISTORY OF THE LYRIC, THE EPIC, THE DRAMA, THE NOVEL, AND THE ESSAY; ELEMENTARY ANGLO-SAXON (3).—Barrett Wendell's *Composition* and Smith's *Old English Grammar*. Recitations, lectures, informal discussions, weekly impromptu themes based upon the assigned reading, long themes (two narrative, two descriptive, two expository, and

two argumentative), due on the third Tuesday of each month from October to May inclusive; and assigned reading as follows:

Lyric Poetry.

Date of Lecture.	Gen'l Subject.	Assigned Reading.	Edition.	Publ'r's Price. Postp'd.
Oct. 2.....	Lyric and Song...	Lyrics and Songs in the Golden Treasury (1861)...	Macmillan .....	.25
Oct. 9.....	Sonnet	Sonnets in the Golden Treasury, and English and American Sonnets..	Maynard, 192.....	.12
Oct. 16.....	Ode	Odes in the Golden Treasury		
Oct. 23.....	Dirge.....	Lycidas (1637), Golden Treasury		
		Adonais (1821).....	Maynard, 85.....	.12
		In Memoriam (1850).....	Maynard, 57.....	.12

Epic Poetry.

Oct. 30.....	Ballad of Growth..	Old English Ballads	Macmillan .....	.25
Nov. 6.....	Ballad of Art.....	Lays of Ancient Rome (1847)	Cassell & Co.....	.10
Nov. 13.....	Folk Epic	Beowulf.....	D. C. Heath & Co. ....	.25
Nov. 20.....	Barnyard Epic....	Nun's Priest's Tale (1385) ..	Riverside, 136.....	.15
Nov. 27.....	Allegorical Romance	Faerie Queene (1589).....	Riverside, 160.....	.15
Dec. 4.....	Religious Epic....	Paradise Lost, Books I. to III. (1667)	Riverside, 94.....	.15
Dec. 11.....	Sophisticated Romance	Marmion (1808).....	Cassell & Co.....	.10
Dec. 18.....	Epic Romance....	Idylls of the King (1888) ..	Riverside, 99.....	.15

Drama.

Jan. 8.....	Late XVI. Century Drama	Jew of Malta (1588).....	Maynard, 101.....	.12
Jan. 15.....	Early XVII. Century Drama.....	Hamlet (1603)	Cassell & Co .....	.15
Jan. 22.....	Early XVIII. Century Drama.....	Cato (1713)	Maynard, 92.....	.10
Feb. 5.....	Late XVIII. Century Drama.....	She Stoops to Conquer (1773)	Cassell & Co.....	.10
Feb. 12.....	Sheridan, last of the British Dramatists.....	The Rivals (1775).....	Cassell & Co.....	.15

Novel.

Feb. 19.....	Arthurian Romance	Malory's Morte d'Arthur (1485), Books I., II.....	Riverside, 158.....	.15
Feb. 26.....	Elizabethan Romance	Lodge's Rosalind (1590) ..	Cassell & Co.....	.10

Date of Lecture.	Gen'l Subject.	Assigned Reading.	Edition.	Publ'rs Price, Postp'd.
Mch. 5...	Allegorical Novel	Bunyan's Pilgrim's Progress (1678-1684).....	Riverside, 109.....	.30
Mch. 12...	XVIII. Century	Realism.....	Richardson's Clarissa Harlowe (1747-1748)....	H. Holt & Co.....
Mch. 19...	Gothic Romance	Walpole's Castle of Otranto (1764).....	Cassell & Co.....	.10
Mch. 26...	XIX. Century	Romance.....	Scott's Quentin Durward (1823).....	Baker & Taylor Co..
Apr. 2...	Humanitarian Novel.....	Dicken's Oliver Twist (1837).....	Baker & Taylor Co..	.27
Apr. 9...	XIX. Century	Realism.....	Thackeray's Vanity Fair (1847).....	Baker & Taylor Co..
Apr. 16...	Psychological Novel.....	Eliot's Scenes of Clerical Life (1858).....	Baker & Taylor Co..	
Apr. 23...	Contemporary Romance.....	Stevenson's Treasure Island (1883).....	Macmillan.....	.25

Essay.

Apr. 30...	Bacon, first Eng- lish Essayist.....	Essays (1625).....	Cassell & Co.....	.10
May 7...	Early XVIII. Cen- tury Essay.....	Addison's Essays and Tales (1709-14).....	Cassell & Co.....	.10
May 14...	Early XIX. Cen- tury Essay.....	Lamb's Essays of Elia (1823).....	Riverside, 79.....	.15
May 21...	Mid-Century Essay.....	Warren Hastings (1841) ..	Cassell & Co.....	.10
May 28...	Late XIX. Cen- tury Essay.....	Mathew Arnold's Culture and Anarchy (1869)	Maynard, 68.....	.10

Publishers' Addresses: The Macmillan Co., New York City, and Dallas, Tex.; (Maynard) Maynard, Merrill & Co., Chicago, Ill.; Cassell & Co., New York City; D. C. Heath & Co., Chicago, Ill.; (Riverside) Houghton, Mifflin & Co., Chicago, Ill.; Baker & Taylor Co., New York City; H. Holt & Co., Chicago, Ill.

Students should secure the books for assigned reading early, either by ordering through a bookseller, or by sending money orders or stamps to the publishers mentioned above. The excuse will not be accepted that books were ordered through a bookseller but not received.

The class will meet every Tuesday forenoon at the third period (10-20-11:15) for instruction in the Outline History of English

Literary Forms. For recitations and informal discussions in advanced rhetoric and elementary Anglo-Saxon, the class is divided into three sections, meeting each twice a week. Th. M. 2; Th. F. 3; Th. M. 4. *Required of all Sophomores in the B. A. and B. S. Courses; elective for others who have credit for English 1.* PROFESSOR SHANNON AND INSTRUCTOR HARVEY.

3. AMERICAN LITERATURE (2).—Especial attention will be devoted to Franklin, Irving, Cooper, Bryant, Emerson, Hawthorne, Longfellow, Whittier, Poe, Holmes, Thoreau, Lowell, Whitman, Aldrich, Burroughs, Dana, Higginson, Howells, Taylor, Warner, Webster, Paulding, Lanier, Simms, Kennedy, Timrod, Page, Allen, Cable, Harris, and Clemens. *Open to Sophomores who have credit for English 1.* This course may be elected for either one term or two terms. M. F. 7. MRS. E. M. BLAKE

JUNIOR YEAR.

4. ADVANCED COMPOSITION (2).—This course provides a continuation of the composition work of English 2. Especial attention will be devoted to argumentation. *Open to Juniors who have credit for English 2.* W. F. 2. ASSOCIATE PROFESSOR SHANNON.

8. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY (2).—English literature from the death of Dryden to the publication of the Lyrical Ballads (1700-1798). *Open only to Juniors who have credit for English 2, and, in 1906-1907 only, to Seniors who have credit for English 2.* M. F. 6.

ASSOCIATE PROFESSOR SHANNON.

9. ENGLISH LITERATURE OF THE NINETEENTH CENTURY (2).—English literature from the publication of the Lyrical Ballads to the death of Queen Victoria (1798-1901.) *Open only to Juniors who have credit for English 2.* M. F. 5. MRS. E. M. BLAKE.

10a. MIDDLE ENGLISH (2).—Emerson's Middle English Reader; selections from Chaucer; Emerson's History of the English Language. *Open only to Juniors who have completed English 2 as given in 1905-1906.* M. I, F. 3. PROFESSOR CARR.

SENIOR YEAR.

6a. ENGLISH LITERATURE OF THE SIXTEENTH CENTURY (2).—Special attention will be paid to the period beginning with Tottel's

Miscellany, and ending with the death of Spenser (1557-1599).
Prerequisite: English 8, 9 or 10a. Omitted in 1906-1907. M. F. 6.

ASSOCIATE PROFESSOR SHANNON.

7a. ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY (2).—English literature from the death of Spenser to the death of Dryden (1599-1700). The introductory work will deal largely with Shakspeare. *Prerequisite: English 6a, 9 or 10a. M. F. 7.*

INSTRUCTOR HARVEY.

11a. ANGLO SAXON (2).—In 1906-1907 a special study will be made of the works attributed to Cynewulf. *Open to Seniors who have completed English 10a; required of those Seniors whose major subject is English. T. Th. 7.*

PROFESSOR CARR.

German.*

1. ELEMENTARY COURSE (3).—Lange's *German Method*; translation from German into English; elementary exercises in translation into German; mémorizing of easy German songs. M. T. Th. 1; M. W. F. 3; T. W. F. 4; T. W. Th. 6; T. W. Th. 7.

ASSOCIATE PROFESSOR SHANNON AND ———.

2. GERMAN PROSE AND POETRY (3).—Review of grammatical principles with especial reference to syntax; reading of works by modern authors; composition; sight reading; assigned reading; mémorizing of German songs. *Prerequisite: German 1, or 2 years' study of German in a preparatory school. M. W. F. 4; T. W. Th. 6.*

PROFESSOR CARR.

*2a. INTERMEDIATE GERMAN COMPOSITION (2). Poll's *German Prose Composition*; von Jagemann's *German Syntax*; Vos's *Materials for German Conversation. Prerequisite: German 1. M. W. 3.*

PROFESSOR CARR.

*3a. HISTORY OF GERMAN LITERATURE with special study of the classic periods of the twelfth and eighteenth centuries (3).—Kluge's *Deutsche National-Litteratur*; assigned reading; a Ger-

*NOTE.—German and English classes requiring the entire time of one teacher, but necessary to meet the demand now made by collegiate students, will have to be omitted from the list of work announced for the year 1906-1907, if a teacher of German is not added to the present departmental force. In other words, German 2a, 3a, 3b, and 4b and three or more classes in English will have to be given up, if there is no additional teacher of German. In 1905-1906 there were 135 students in Freshman German, and 180 in Freshman English.

man theme each week. Composition. *Prerequisite: German 2.*
M. W. F. 3. PROFESSOR CARR.

3b. ADVANCED GERMAN COMPOSITION (2).—Von Jagemann's German Prose Composition and Syntax; Kron's German Daily Life. Practice in conversation and original composition. *Prerequisite: German 2.* T. Th. 5. PROFESSOR CARR.

4a. LESSING, GOETHE, AND SCHILLER. Lessing's *Minna von Barnhelm* and Emilia Galotti; Goethe's *Leiden des jungen Werther* and *Faust*; Schiller's *Wilhelm Tell* and *Die Jungfrau von Orleans*; Rolleston's *Lessing*, Sime's *Goethe*, and Nevinson's *Schiller*; composition and assigned reading. *Prerequisite: German 3a.* M. W. F. 2. PROFESSOR CARR.

4b. MIDDLE HIGH GERMAN AND OLD HIGH GERMAN (2) — Paul's *Mittelhochdeutsche Grammatik* and the *Nibelungenlied*, the first term; Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*, the second term; translation both terms into modern German only. *Prerequisite German 3a.* T. Th. 7. PROFESSOR CARR.

ROMANCE LANGUAGES.*

French.

1. ELEMENTARY COURSE (3).—Downer's *Grammar*; Malot's *Sans Famille*; Halévy's *l'Abbé Constantin*. Composition; sight reading; conversation. M. T. Th. 1; M. W. Fr. 2; T. W. Th. 7. ADJUNCT PROFESSOR MARINONI.

2. FRENCH PROSE AND POETRY (3).—Selected works of Musset, Sand, Daudet, Dumas, Balzac, and V. Hugo. Composition; reading at sight; assigned reading. M. W. Fr. 3. ADJUNCT PROFESSOR MARINONI.

3b. HISTORY OF FRENCH LITERATURE (3).—The purpose of this course is to give a survey of the French Literature with special attention to the seventeenth century. Lectures; reading; com-

*NOTE.—French and Spanish courses, requiring the entire time of one teacher, but necessary to meet the demand now made by collegiate students, will have to be omitted from the list of courses announced for the year 1906-1907, if a teacher of French and Spanish is not added to the present departmental force. In other words, fourth year French, second year Italian, and two sections each of first year French and Spanish—six of the twelve announced classes—will have to be withdrawn, if there continues to be only one teacher of Romance languages. In 1905-1906 the undivided beginners' classes in French and Spanish numbered fifty (50) collegiate students each.

position. The course will be conducted in French as far as possible. *Prerequisite:* French 2. M. W. Fr. 6.

ADJUNCT PROFESSOR MARINONI.

4. FRENCH LITERATURE OF THE NINETEENTH CENTURY (3).—The romantic movement in France will be studied in all its manifestations as a part of the greater European movement. Lectures and written reports. If possible, the course will be conducted in French. *Prerequisite:* French 2.

5a. FRENCH DRAMA (1).—Lectures; written reports; reading. In this course the origins and development of the French drama and theater in France will be studied systematically. The various dramatic theories from the seventeenth century to our days will be analyzed and discussed.

ADJUNCT PROFESSOR MARINONI.

6a. FRENCH SYNTAX (1).—French syntax will be studied from the historical standpoint. *Grammaire raisonnée de la Langue française* par Léon Cledat. ADJUNCT PROFESSOR MARINONI OR—

7a. OLD FRENCH (1).—Old French grammar; general reading of Old French; Bartsch's *Chrestomathie de l'Ancien Français*.

ADJUNCT PROFESSOR MARINONI OR—

Spanish.

1. ELEMENTARY COURSE (3).—Loiseaux's Grammar; Padre Isla's *Gil Blas* and other easy texts. Composition; conversation; reading at sight. M. T. Th. 1; M. T. Th. 3; M. T. Fr. 5.

ADJUNCT PROFESSOR MARINONI AND—

2. SPANISH PROSE AND POETRY (3).—In this course representative authors of the nineteenth century will be read, and special attention will be given to drill in the use of the language.

ADJUNCT PROFESSOR MARINONI OR—

Italian.

1. ELEMENTARY COURSE (3).—Grandgent's Grammar; Ugo Frittelli's *Antologia di prose e poesie moderne*; composition; reading at sight; conversation. T. W. Fr. 4.

ADJUNCT PROFESSOR MARINONI.

2. NINETEENTH CENTURY PROSE AND POETRY (3).—Selections from the best productions of the nineteenth century will be

read. Composition; sight reading; conversation. Snell's Primer of Italian Literature. T. Th. Fr. 2.

ADJUNCT PROFESSOR MARINONI.

ENGLISH AND MODERN LANGUAGE GROUPS.

Those students who select their major subject in the department of English and Modern Languages, but did not offer a modern language for admission to college may choose any one of the five groups of studies mentioned below. Students who offered a modern language (but no ancient language) for admission, will substitute six hours of a modern language for the work already completed in modern languages. Before classifying, those students whose major subject is taken in the department of English and Modern Languages are required to consult with the head of the department.

GROUP I. (ENGLISH).—English 1 and German 1 in the Freshman year; English 2 and 3, and German 2 in the Sophomore year; English 8, 9, and 10*a*, and French 1 in the Junior year; English 6*a*, 7*a*, and 11*a* in the Senior year.

GROUP II. (ENGLISH AND MODERN LANGUAGES).—English 1 and German 1 in the Freshman year; English 2, German 2 and French 1 in the Sophomore year; English 10*a*, German 3*a* and French 2 in the Junior year; French 4 (or 3*a*), and four hours selected from English 6*a*, 7*a* or 11*a* in the Senior year.

GROUP III. (MODERN LANGUAGES).—German 1, French 1 and English 1 in the Freshman year; German 2, French 2 and English 2 in the Sophomore year; German 3*a* and French 3*a* (or 4) in the Junior year; French 4 (or 3*a*) and German 4*a* in the Senior year.

GROUP IV. (GERMAN).—German 1 and English 1 in the Freshman year; German 2, 2*a* and English 2 in the Sophomore year; German 3*a* and 3*b* and French 1 in the Junior year; German 4*a* and 4*b*, and English 11*a* or French 2 in the Senior year.

GROUP V. (ROMANCE LANGUAGES).—French 1 and English 1 in the Freshman year; French 2, English 2 and German 1 in the Sophomore year; French 4 (or 3*a*), German 2 and Italian 1 (or Spanish 1) in the Junior year; French 3*a* (or 4) and Spanish 1 (or Italian 1) in the Senior year.

MATHEMATICS AND ASTRONOMY.

G. W. DROKE, *Professor.*B. J. DUNN, *Associate Professor.***Mathematics.**

1. (a) SOLID GEOMETRY (*first term*) (3).—Beman and Smith's New Plane and Solid Geometry. 2, 3, 4 and 5 periods. M. W. F.

(b) PLANE TRIGONOMETRY (*second term*) (3).—Lyman and Goddard's Trigonometry. *Required of all Freshmen.* 2, 3, 4 and 5 periods. M. W. F.

1a. ALGEBRA (1).—Freshman elective intended for those who do not desire to take Mathematics beyond the Freshman year. Such students will find this course very helpful both in assisting them to carry successfully course 1, and in preparing them to teach elementary Algebra. The course will include: Theory of Exponents; Imaginary and Complex Numbers; Theory of Quadratic Equations; Ratio and Proportion; Inequalities; Progressions and Logarithms.

2. ALGEBRA (2).—Wells's College Algebra, chapters xxii. to xxxix. inclusive, except chapters xxx. and xxxviii. *Required of all Freshman Engineers; elective in other courses.*

3. (a) ALGEBRA (*first twenty-four weeks of session*).—The same text-book as in course 2.

(b) ANALYTIC GEOMETRY (*last twelve weeks of session*) (3).—Smith and Gale's Elements of Analytic Geometry. Course 3 is an elective course, intended for the B. S. and B. A. Sophomores who did not take course 2 in Freshman year.

4. ANALYTIC GEOMETRY (3).—Same text-book as in course 3 (b). *Required of all Sophomore Engineers; elective in other courses.*

5. (a) ALGEBRA (*continuation of course 2*).—Twenty-four weeks.

(b) CALCULUS (*twelve weeks*) (2).—*Required of Sophomore Engineers and of those whose major subject is mathematics; elective in other courses.* Granville's Calculus.

5a. ANALYTIC GEOMETRY (*continuation of course 3*) (b) (2).—*Junior elective in the B. S. and B. A. courses.*

6. DIFFERENTIAL AND INTEGRAL CALCULUS (*continuation of course 5*) (b) (3).—*Required of Junior Engineers and of those whose major subject is mathematics; elective in other courses.* The last eight weeks of this course the student may elect either Spherical Trigonometry or Differential Equations. *Prerequisite: Course 5.*

6a. DIFFERENTIAL EQUATIONS (*first term, Senior year*) (1).—This course is intended for those Seniors who elect Differential Equations in Course 6.

8. SPHERICAL TRIGONOMETRY, THEORY OF EQUATIONS, DETERMINANTS (2).—*Junior and Senior elective.*

9. DIFFERENTIAL EQUATIONS, AND ANALYTICAL GEOMETRY OF THREE DIMENSIONS (3).—*Books of Reference:* C. Smith's and Frost's Solid Geometry; Salmon's Geometry of Three Dimensions. *Senior elective.* This course may be taken by graduate or undergraduate students.

NOTE.—Those who desire to make mathematics their major subject may select either one of the following groups:

- (A) Courses 1 and 2 in the Freshman year.
Courses 4 and 5 in the Sophomore year.
Courses 6, 7 and 8 in the Junior year.
Course 9 in the Senior year.
- (B) Course 1 in the Freshman year.
Course 3 in the Sophomore year.
Courses 5 and 5a in the Junior year.
Course 6 in the Senior year.
Group (B) is the minimum requirement.

Astronomy.

13a. DESCRIPTIVE ASTRONOMY, LECTURES AND RECITATIONS (*first term*) (2).—6th period M. and Th.

14a. SPHERICAL ASTRONOMY (*second term*) (2).—The class in Astronomy has the use of a four-inch telescope, sextant, celestial globe, and other simple instruments.

HISTORY AND POLITICAL SCIENCE.

J. H. REYNOLDS, *Professor.*

The courses in this department are designed to afford general culture, and in addition are essential to those who are looking to law, journalism, politics, the ministry or any other public calling. Course 2 is foundation work and should be taken in the Freshman year.

2. (a) MEDIAEVAL HISTORY (*first term*) (3).—This course is designed to give the student a knowledge of the essential contributions of the ancient world to history, of the reorganization of German society upon the basis of Graeco-Roman civilization, and the rise of the modern states. M. 4, W. 5, F. 4; T. 1, W. 5, Th. 1.

(b) MODERN HISTORY (*second term*) (3).—Beginning where course (a) leaves off, the class will study the great world movements of modern times, such as the reformation, religious wars, absolutism, the struggle for constitutional government in England, the contest for supremacy on the high seas, the French Revolution, and the democratic movements of the nineteenth century. All students seeking a liberal education should take this course. *Text-Books*: Robinson's History of Western Europe and his Readings in European History. *For Freshmen*: M. 4, W. 5, F. 4; T. 1, W. 5, Th. 1.

3a. (a) THE COLONIES (*first term*) (3).—The planting and the growth of English institutions in America; the development of the federal idea; our breach with England; and the making of our federal constitution. Largely a library course; charters and constitutional documents, as well as the best secondary sources will be studied.

(b) THE FEDERAL PERIOD TO 1875 (*second term*) (3).—The constitutional and political history of the United States will be studied from the organization of the government to the close of reconstruction, emphasizing the growth of political parties, the contest between federal authority and states' rights, the slavery controversy, and the constitutional results of the Civil War and reconstruction. Method of work the same as in course (a).

5a. (a) EARLY ENGLISH INSTITUTIONS (*first term*) (3).—The origin and growth of the more important English institutions, such as the Kingship, Parliament, Privy Council, common law courts, jury system, and local government. Period covered from 450 to 1300. While the student should have Terry's History of England, and Lee's Source Book, yet free use will be made of both original and secondary sources in the library. T. Th. F. 2.

(b) CONSTITUTIONAL HISTORY OF ENGLAND IN MODERN TIMES (*second term*) (3).—After a brief survey of the Tudor period,

the class will study more in detail the struggle for constitutional government in the Stuart period, the history of the cabinet, and the growth of parliamentary government. For method and text-books see course (a). T. Th. F. 2.

1. (a) HISTORY OF GREECE (*first term*) (2).—This course is designed to give a thorough knowledge of the history and the institutions of the Greeks. A general knowledge of the subject is presumed. T. Th. 4.

(b) HISTORY OF ROME (*second term*) (2).—The explanations made above in regard to the history of Greece apply to this course. T. Th. 4.

7. (a) FRENCH REVOLUTION AND THE NAPOLEONIC ERA (*first term*) (2).—France on the eve of the revolution; her political philosophers; causes and events of the revolution; and the wars of Napoleon.

(b) THE NINETEENTH CENTURY (*second term*) (2).—The democratic movements of the century; the development of constitutional government; the unification of Italy and Germany; the colonial policies of European states; and the present condition of world politics.

4a. (a) AMERICAN STATE GOVERNMENT (*first term*) (2).—A study of the place of the state in our federal system, of the constitutional law of states, of the structure and workings of American state governments as they exist today, and of some of the practical problems now before the states. M. W. 2.

(b) MUNICIPAL GOVERNMENT (*second term*) (2).—While the government of our cities is coming to sustain a most vital relation to the public welfare, the American city is notoriously ill-governed. This course will offer an opportunity to study our experience in municipal government, the structure and working of typical city governments, and some special municipal problems. Throughout the year. M. W. 2.

6. (a) NATIONAL GOVERNMENT (*first term*) (3).—A study and comparison of the structure and powers of the national governments of England, United States, France, Germany, and Switzerland. Special emphasis will be given to the place of the federal system in public law. *Text-book*: Burgess's Political Science and Constitutional Law, and the constitutions themselves. M. W. Th. 3.

(b) INTERNATIONAL LAW (*second term*) (3).—A brief sketch of the history of international law, and a study of the principles now considered binding on civilized nations. Some three weeks will be devoted to Parliamentary law. *Text-book*: Davis's Elements of International Law. M. W. Th. 3.

ECONOMICS AND SOCIOLOGY.

C. H. BROUGH, *Professor*.

The courses offered in this department are designed to give instruction in problems of current economic, social and public interest, to prepare students for the duties of citizenship and participation in the professions of law, politics, journalism, financing in general, for professional and business careers.

1. PRINCIPLES OF ECONOMICS, THE LABOR PROBLEM, TRUSTS AND THE TARIFF (*both terms*) (3).—*Texts*: Bullock's Introduction to the Study of Economics; Mitchell's Organized Labor; Bolen's Plain Facts as to the Trusts and the Tariff. Section 1, M. 1, T. 1, Th. 1; Section 2, M. 6, W. 6, F. 4.

2. BUSINESS LAW (*both terms*) (3).—A study is made in this course of the law of bills, cheques, and notes; the law of contracts; the law of agency. The regular text-book work will be supplemented by some lectures by President Tillman of the University, formerly Circuit Judge, on topics connected with the course. T. 6, W. 1, F. 1. *Texts*: Bigelow's Bills, Cheques and Notes; Harriman on Contracts; Huffcut on Agency. T. 6, W. 1, F. 1.

3. (a) MONEY AND BANKING (*first term*) (3).—The theory of money, credit and banking is considered, and instruction is given in practical banking. Visits will be made from time to time to the banks of Fayetteville, in order that the class may see the practical side of banking. *Texts*: White's Money and Banking; Fiske's The Modern Bank. T. 2, Th. 2, F. 5.

(b) TRANSPORTATION AND ITS PROBLEMS (*second term*) (3).—The railway systems of the United States and foreign countries, railroad geography, rate making, government versus private ownership and control and the proposed enlargement of the powers of the Interstate Commerce Commission are considered. *Texts*: Johnson's American Railway Transportation. Supplemented by lectures, assigned readings in the Congressional

Records, Reports of the Interstate Commerce Commission and Newcomb's Facts About Railroads. T. 2, Th. 2, F. 5.

4. (a) INSURANCE (*first term*) (3).—A study of life, fire, accident, liability, industrial and marine insurance, and of the work of the insurance agent. *Texts*: Alexander's The Life Insurance Company; Insurance (Special Volume of the Annals of the American Academy). The text work will be supplemented by special lectures by insurance experts and visits to the office of Wilson and Collins, Agents, Security Mutual, Fayetteville. M. 4, W. 4, Th. 6.

(b) MODERN ADVERTISING AND TRUST FINANCE (*second term*) (3).—A study of modern methods of advertising and forms of corporate organization. *Texts*: Calkins' and Holden's Modern Advertising; Meade's Trust Finance. M. 4, W. 4, Th. 6.

5. (a) PUBLIC FINANCE AND PUBLIC WORKS (*first term*) (3).—The principles and history of taxation, the management of public debts and financial administration will be dealt with, and a study made of the economics of city waterworks, electric light and street railway systems. *Texts*: Plehn's Introduction to the Study of Public Finance; Whinery's Municipal Public Works. M. 7, T. 4, Th. 4.

(b) FINANCIAL HISTORY OF THE UNITED STATES (*second term*) (3).—An investigation of the revenues, expenditures, debts and financial administration of the United States. The tariff history, the public land policy, the national and state banking systems and like topics will be studied. *Text*: Dewey's Financial History of the United States. M. 7, T. 4.

6. (a) SOCIALISM AND SOCIAL REFORM (*first term*) (2).—A study of socialism and social reform, involving a consideration of such practical questions as the government ownership and control of public utilities, the single tax, and co-operation. *Texts*: Ely's Socialism and Social Reform. Collateral readings in George's Progress and Poverty, and Gillman's Socialism and the American Spirit. T. 3, Th. 3.

(b) THE LABOR QUESTION (*second term*) (2).—A study of the purposes and fundamental principles of trades unions, strikes, boycotts, lockouts, blacklists, arbitration, conciliation and injunction from both the side of the laborer and employer. *Text*: Bolen's Getting a Living. Supplementary reading in Adams' and Sumner's Labor Problems.

7. (a) PRINCIPLES OF SOCIOLOGY (*first term*) (2).—This course considers the elements of social growth and progress, describes social institutions, and suggests practical social reforms. *Text*: Wright's Practical Sociology. Supplementary readings on liquor, divorce, prison administration, poor relief and slum problems. T. 7, Th. 7.

(b) MODERN METHODS OF CHARITY (*second term*) (2).—A study of the dependent and deprived classes of society, the slum centers, their problems and conditions. *Text*: Henderson's Modern Methods of Charity. T. 7, Th. 7.

CHEMISTRY.

C. G. CARROLL, *Professor*.

H. E. MORROW, *Adjunct Professor*.

1. GENERAL INORGANIC CHEMISTRY (3).—Lectures and recitations two hours a week; laboratory exercises one afternoon a week. M. W. 3 or 4; M. T. W. Th. 6, 7.

2. INORGANIC CHEMISTRY (2).—Lectures and recitations two hours a week. M. F. 2.

3. QUALITATIVE ANALYSIS (3).—One lecture or conference and five hours of laboratory work per week during either term or throughout the year.

4. ORGANIC CHEMISTRY (4).—Lectures and recitations twice a week, with laboratory work in organic preparations two afternoons a week. M. 1, Th. 4.

5. QUANTITATIVE ANALYSIS (3).—Introductory course. Laboratory exercises six hours a week, with occasional lectures. One term may be elected.

6. QUANTITATIVE ANALYSIS (5).—Ten hours of laboratory work per week, with occasional lectures. More complicated gravimetric and volumetric processes. Calibration of volumetric apparatus.

7. QUANTITATIVE ANALYSIS (3).—A continuation of course 6. Iron and steel analysis, gas analysis, organic analysis.

8. PHYSICAL CHEMISTRY (3).—Lectures two hours per week; laboratory exercises one afternoon a week. *Prerequisite*: Chemistry 2, 4; Mathematics 4; Tu. 1, Th. 1.

9. ASSAYING (3).—Technical examination of gold and silver ores. Laboratory work six hours a week during the second term.

ELECTIVE COURSES.*

10. AGRICULTURAL AND FOOD ANALYSIS (3).—Laboratory exercises six hours per week during the first term. *Prerequisite:* Chem. 1, 3, 5.

11. WATER ANALYSIS (3).—Sanitary and technical analysis of water. Primarily for engineering students. Six hours of laboratory work during the second term. *Prerequisite:* Chem. 3, 5.

12. ELECTRO-CHEMISTRY (3).—Theoretical and applied electrochemistry. Lectures and laboratory exercises during the first term. *Prerequisite:* Physics 1; Math. 6; Chemistry 1, 3, 4.

13. ELECTRO-CHEMICAL ANALYSIS (3).—Quantitative analysis by electrolysis. Six hours of laboratory work a week during the second term.

14. HISTORY OF CHEMISTRY (2).—Lectures two hours a week during the second term.

15. RESEARCH WORK.—Problems in research will be given to graduate students who elect chemistry as their major study, and to others competent to undertake such work. A reading knowledge of German and French is indispensable.

JOURNAL MEETING.

The instructors of the department, the chemists of the experiment station, and the advanced students meet twice a month for discussion of articles in the current chemical journals, and to report upon their own investigations.

DEPARTMENT OF BIOLOGY.

F. W. PICKEL, *Professor.*

The courses of this department have been arranged to meet the needs of three classes of students; those who desire to become acquainted with the fundamental principles of plant and animal life; those who contemplate the study of medicine; and those wishing to go more thoroughly into the study of biological science to obtain the technical training necessary for subsequent investigation or for teaching.

1. GENERAL BIOLOGY (3).—This course serves as an introduction to the whole field of biological science, and should be a

*Any of these courses must be elected by as many as four students.

part of the general education of every student. Types of plants and animals will be dissected and studied in the laboratory, and the essential truths of biology emphasized. One recitation and laboratory work, four hours per week throughout the year. *Text-book*: F. 6; T. 3, 4; Th. 3, 4.

2. BOTANY (3).—In this course special attention is paid to the morphology, physiology, and ecology of plants, but due attention is given, in the second term, to the systematic classification of plants, and each student is required to collect and write a technical description of a certain number of plants. The geological history of plants and the origin of cultivated plants will be briefly considered. Field work, when practicable, will form an important feature of the course. Recitations and laboratory work six hours per week throughout the year. *Text-books*: Bailey's Elementary Botany; Chapman's Flora of Southern States. M. T. Th. 5, 6.

3. ADVANCED BOTANY (3).—A lecture and laboratory course on the morphology, physiology and the diseases and injuries of plants. One lecture and four hours' laboratory work per week throughout the year: *Prerequisite*: Botany 2.

4. BACTERIOLOGY (4).—An introduction to the subject, and instruction in laboratory technique—the preparation of nutrient media, the characteristics of bacteria, the kind and effects, isolating and keeping pure cultures, microscopical preparations, the study of bacteria found in soil, in water, and in air; study of pathogenic forms and their relation to disease. One lecture and six hours' laboratory work per week throughout the year. *Prerequisite*: Chemistry I; Biology I. M. 6, 7; T. 7; Th. 6, 7; S. 2, 3.

5. GENERAL ZOOLOGY (3).—A general course in invertebrate and vertebrate morphology. Attention will be given to the fundamental facts of zoological science, and the laws of development, heredity, variation, correlation, etc. In connection with the laboratory work in the course, instruction will be given to such students as desire to learn methods of preparing bird skins and mammal skins for laboratory and museum specimens. Field work, when practicable, will form an important feature of the course. One recitation and four hours' laboratory work per week throughout the year. M. 3, 4; W. 5; F. 3, 4.

6. COMPARATIVE ANATOMY OF VERTEBRATES (3).—Recitations and demonstrations dealing with the comparative anatomy of

acrania, cyclostomes, sharks, fishes, amphibians, reptiles, birds and mammals. Laboratory work on selected types of the different groups. One recitation and four hours' laboratory per week throughout the year. *Prerequisite: Biology 1, or General Zoology 5.* M. 1; W. 1, 2; F. 1, 2.

7. ANIMAL HISTOLOGY AND EMBRYOLOGY (5).—This course is offered to students intending to study medicine, but is open to any student who has completed Biology 1. It consists of instruction in histological and embryological methods of technique to acquaint the student with the principles of histology and embryology. Two lectures and six hours' laboratory work per week throughout the year. T. 1; W. 7; W. 1, 2, 3; F. 5, 6, 7.

8. PHYSIOLOGY (4).—The physiology of foods, digestion, and nutrition; the blood, circulation, and respiratory mechanism; the excretion, especially analysis of urine; functions of brain and spinal cord; physiology of nerve and muscle. Two lectures and four hours' laboratory work a week throughout the year. *Prerequisites: Chemistry 1; Elementary Physiology.* M. 1, 2; F. 1, 2; W. 5; F. 7.

9. NATURE STUDY (1).—A special course in nature study, its aim, method, etc., and systematic science teaching will be offered to students who expect to teach. One lecture per week throughout the year. *Prerequisite: Biology 1.*

GEOLOGY AND MINING.

A. H. PURDUE, *Professor.*

A. A. STEEL, *Associate Professor.*

The several courses in geology are intended to supply the needs of:

1. Students who wish to ground themselves in the elements of the science with the view of making it a life work. Of such, courses 2, 3, 5, 7 and 8 are required.

2. Students taking the course in mining engineering, of whom courses 2, 3, 5, 7 and 9 are required.

3. Students in agriculture and civil engineering for whom course 6 is recommended.

4. Students desiring a general educational knowledge of the subject, for whom course 2 is recommended.

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The four years' course in mining engineering outlined on page 74 is planned to give that instruction in the underlying principles of geology and mining and engineering, which can be acquired only with great difficulty outside of the colleges. Effort will be made to train the student in original thinking and the ready adaptation of means to the usual conditions so common in mining.

The practical work of mining, metallurgy, and ore dressing can be learned so much more rapidly and effectively by actual work, that no laboratory instruction in these lines is offered at the University. The students are expected to spend parts of at least two summer vacations at ordinary day's work in some mine, mill or smelter, where they will be expected to ask questions of the workmen and keep notes of their observations, and compute the costs of some detailed operations. This plan, besides preparing the students for the study of the principles involved in their work, also gives them a useful knowledge of the workmen with whom they must deal, and tends to break down the prejudices on both sides.

This course in mining is designed to make specialists in mining geology and mine operating, rather than all round technical men. Hence a large part of the student's time is spent upon work in the department of geology and mining, but the necessary fundamental work in mathematics and applied science is not slighted, and enough work is required in the other technical departments to enable the graduates to solve the simpler problems of civil, mechanical, and electrical engineering, and metallurgy, and to judge of the qualifications of specialists in these lines, when in charge of large properties. There is also enough laboratory and field work required to fit the young mining engineer to do all the analytical work, assaying, surveying, drafting, and designing needed at the average mine, while he is acquiring the experience and prestige necessary for more responsible and executive positions.

While the course is not especially exacting, it is severe and should be undertaken only by students well prepared mentally and in good health. To accomplish all the work well, the average student will have to devote seven or eight hours per day, six days per week, to his college work during the academic year.

Geology.

1. **PHYSICAL GEOGRAPHY (3).**—A general course in Physical Geography, with special attention to meteorology and the constructive and destructive work of the atmosphere, water, and ice.

PROFESSOR PURDUE.

2. **GENERAL GEOLOGY (3).**—The geological work of the atmosphere and water (including streams, lakes, the ocean, and underground water); glaciers and glaciation; organic agencies; igneous and sedimentary rocks; structural geology; diastrophism; historic geology. Recitations three times a week. *Text:* Branner's Syllabus of General Geology, supplemented by Chamberlin and Salisbury. *Prerequisite:* Chemistry I.

PROFESSOR PURDUE.

3. **PRACTICAL GEOLOGY (3).**—Field and laboratory work nine hours a week throughout the year, with the construction of geologic maps and sections, and topographic maps.

PROFESSOR PURDUE.

5. **CRYSTALLOGRAPHY AND MINERALOGY (3).**—(a) Lectures and recitations three hours a week during the first term on the elements of geometric crystallography.

(b) Laboratory work (three hours) three times a week following course (a) and extending through the year. Determination of minerals before the blowpipe, and in the wet way. *Text:* Determinative Mineralogy, Brush. *Required of students in geology, mining and civil engineering.* *Prerequisite:* Chemistry I. Th. F. 5, 6, 7, 8.

ASSOCIATE PROFESSOR STEEL.

6. **SHORT COURSE FOR AGRICULTURAL AND CIVIL ENGINEERING STUDENTS (3).**—Lectures, supplemented by field work, on the geological work of the atmosphere and running water; the kinds, origin and decay of sedimentary rocks; igneous rocks; the origin and kinds of soil; structural geology; underground water; the origin of topographic forms. First term. *Prerequisite:* Chemistry I.

PROFESSOR PURDUE.

7. **ECONOMIC GEOLOGY (3).**—Lectures, with collateral reading, on the formation, modes of occurrence, uses and geographic distribution of economic geologic products. Second term. *Required of students in geology and mining.* *Prerequisites:* Chemistry I, Geology, 2.

PROFESSOR PURDUE.

8. **ORIGIN AND ALTERATION OF ROCKS.**—Lectures on the origin, destruction and alteration of rocks, with special attention to

metamorphism. Two hours a week for second term. *Required of Juniors in mining. Prerequisites: Geology 2, Chemistry 1.*

PROFESSOR PURDUE.

9. DESCRIPTIVE MINERALOGY (1).—A study of the variations and associations of minerals. Laboratory work two hours a week for the first term. *Prerequisite: Geology 5.*

ASSOCIATE PROFESSOR STEEL.

Mining.

1. INTRODUCTORY COURSE (2).—Descriptive treatment of a few of the more common methods of mining now practiced, preliminary to the study of actual mining during the summer vacation. A general basis for later detailed and critical courses. Lectures or recitations twice a week during second term. *Prerequisites: Chemistry 1, Physics 1, and one term of Geology 2.*

ASSOCIATE PROFESSOR STEEL.

2. DETAILS OF MINING OPERATIONS (2½).—Methods, tools, rate of progress and comparative cost of; excavation of earth; drilling and blasting of rock; driving and timbering of tunnels in hard and soft ground; boring for various purposes, and shaft sinking and timbering. Also a discussion of the nature and use of common explosives, and the special methods of mining. Outside reading with lectures or recitations twice a week during the first term and three times a week during the second term. *Prerequisite: Mining 1.*

ASSOCIATE PROFESSOR STEEL.

3. ADVANCED MINING (3).—(a) A critical study of the different methods of exploration, development and working of mineral deposits. Practice in selecting the methods best suited to certain assigned conditions, and in combining the good features of various established systems of mining. Lectures or recitations three times a week the first ten weeks of the year.

(b) MINE ADMINISTRATION. Organization of staff for large and small mines; purchase of supplies and disposal of product; management of labor; elements of mining law; mine accounts and cost sheets. Three times per week for seventeen weeks following course (3a).

(c) MINE EXAMINATIONS.—Sampling of ore bodies; estimation of average value, and available and probable tonnage of ore in the mine; character and form of maps and expert reports,

Outside drawing and lectures or recitations three times a week last seven weeks of the term.

This course is open only to students whose major is taken in the department of Geology and Mining.

ASSOCIATE PROFESSOR STEEL.

4. ENGINEERING PROBLEMS OF MINES (3).—(a) Applications of civil engineering to mining. Surface and underground handling, transportation and storage of minerals; mine buildings, trestles, ore bins, etc.; mineral railroads, common roads; water supply; drainage of mines; methods of ventilation; accidents to men; underground surveying. Lectures and conferences three times a week, first term, with outside reading, designing and detailed drawing. *Prerequisites: Mining 1. C. E. 2 and 3; M. E. 4 and 9.*

ASSOCIATE PROFESSOR STEEL.

(b) MINE PLANT. Description and critical discussion of the mechanical equipment of mines; hoisting engines, ropes, skips, cages, and head frames; various types of pumping machinery; air compressors and the transmission of power by compressed air; machine drills; mine cars and tracks; underground haulage plant; practice in the selection of mining machinery from trade catalogues. Lectures and conferences three times a week, second term. Outside reading and detailed drawing. *Additional prerequisite: M. E. 5. Either term may be elected separately.*

ASSOCIATE PROFESSOR STEEL.

8. ORE DRESSING.—General principles and theory of ore dressing; hand dressing; cleansing; crushing; sizing and classifying; jigging sized and unsized products; table concentrating; stamp milling of gold and silver ores; descriptions of typical ore dressing works; practice in outlining schemes of ore dressing under assigned conditions. *Text-book: Richard's Ore Dressing.* Recitations and conferences twice a week, two terms. *Prerequisites: Geology 5, Mechanical Engineering 4 and 5.*

ASSOCIATE PROFESSOR STEEL.

DEPARTMENT OF PHILOSOPHY AND PEDAGOGY.

W. S. JOHNSON, *Professor.*AUGUSTA NELKEN, *Training Teacher.*

The object of the courses offered in this department is (a) to afford general culture, and (b) to train those who expect to enter professional life, especially law, medicine, the ministry and teaching.

For those contemplating the professions of law or journalism, the following courses are recommended: 1, 7, 8 and 9; medicine: 1, 7, 8 and 10; business: 1, 7, 8 and 8.

For the required course of study in the normal department, and the conditions under which the certificate of Licentiate of Instruction is granted, see pp. 77-9.

1. DESCRIPTIVE PSYCHOLOGY (*first term*) (3).—This course serves as an introduction to both philosophy and pedagogy. The course is open to all students in the collegiate department. The different functions of the mind are studied from the physiological and experimental standpoint. It is intended to make it as concrete as possible—by a study of the nervous system, and by experiments to demonstrate the action and interaction between the mind and nervous tissue. Owing to its pedagogical value students are advised to take this course as early as possible in their college course. *Text-books:* Buell's *Essentials of Psychology*; Gordy's *New Psychology*. Section *a*, M. W. F. 1st period. Section *b*, M. W. F. 7.

2. (a) SCHOOL MANAGEMENT (1).—This course serves as a general introduction to teaching and school management. It is open to all students of the University—both preparatory and collegiate. It is especially designed for those students who teach during the vacation or who expect to teach for only a short time. Students may attend these lectures without enrolling as members of the class. *Text-book:* Sabin's *Common Sense Didactics*. Th. 8.

(b) ART OF TEACHING (1).—This course is subject to the same conditions as (a). The methods of teaching the common school branches will be discussed, illustrated by model lessons. Roark's *Methods of Education*. No credit is given in the B. A. or the B. S. course for 2a or 2b F. 8.

3. SCIENCE OF INSTRUCTION (2).—The methods discussed are based on psychology. The broader generalizations of the science of education are studied, and the student learns to apply the principles of psychology to the work of teaching. This is a very practical course. During the first term the Methods of the Recitation is studied, the Special Methods during the second term. Students may enter the second term. *Text-books:* McMurray's Method of the Recitation, and Special Methods. T. Th. 1.

4. HISTORY OF EDUCATION (*second term*) (3).—This course includes a study of the educational systems and methods of ancient, mediæval, and modern nations; lives and theories of educational reformers; growth of education in the United States and in the state of Arkansas. *Text-books:* Monroe's History of Education; Arkansas School Law. M. W. F. 1.

5. (a) EDUCATIONAL PSYCHOLOGY (*first term*) (3).—This course applies the principles of psychology to the schoolroom. It deals with the child as an educable being. It treats in minute detail the sources of interest; the characteristics of imitation, heredity, attention, memory, imagination, emotions, will and character. Recitations, lectures, assigned readings, and reports. *Text-books:* Dexter and Garlic's Psychology in the Schoolroom. *Prerequisite:* Course 1. M. W. F. 2.

(b) CHILD STUDY (*second term*) (3).—In this course it is intended to make a practical application of the principles studied in (a) by studying the characteristics of children as seen in the schoolroom, at home, and at play. Topics assigned and library references. Practice teaching in the Training School. M. W. F. 2.

6. THE SUPERINTENDENT'S COURSE (2).—This course discusses matters of practical school organization and management. Such subjects are discussed as school revenues and expenditures, school sanitation and decoration, course of study, duties of superintendent and teachers in relation to school and community, philosophy of government, etc. *Text-books:* King's School Interests and Duties; Shaw's School Hygiene. Tu. & Th. 2. References to pedagogical library.

7. ABNORMAL PSYCHOLOGY (1).—This course is designed to supplement course 1, and to discuss especially the physiological conditions and mental phenomena of sleep, dreams, hypnotism, somnambulism, sanity, insanity, illusions, hallucinations, mind reading, etc. This, as well as course 1, will be especially valuable

to those students who expect to study law or medicine. It is intended to throw light on many of the peculiarities of mental life as exhibited in mankind. Lectures, discussions and recitations. *Text-books:* Moll's Hypnotism; M. de Manaceine's Sleep; Parish's Hallucinations and Illusions; Lombroso's The Man of Genius. *No prerequisite (though desirable to be accompanied or preceded by course 1).*

8. LOGIC (*second term*) (3).—This course should follow course 1. *Text-book:* Creighton's Introductory Logic. M. W. F. 7.

9. (a) ELEMENTS OF ETHICS (*first term*) (2).—The bearing on the standing of the theories of evolution, sociology, biology, economics, and political economy, as applied to real life. *Text-book:* Paulsen's A System of Ethics.

(b) INTRODUCTION TO PHILOSOPHY (*second term*) (2).—This course is designed to present in an elementary way the principal philosophical problems. It may properly be taken by all who desire an acquaintance with philosophy as a means of culture. *Text-book:* Paulsen's Introduction to Philosophy.

10. PRINCIPLES OF EVOLUTION (1).—A discussion of the underlying facts, the methods of scientific research, and the philosophical problems upon which the modern philosophy of evolution is founded. *Text-book:* Conn's Evolution of Today.

MECHANICAL ENGINEERING.

B. N. WILSON, *Professor and Superintendent of Mechanic Arts.*

B. MITCHELL, JR., *Adjunct Professor and Assistant Superintendent of Mechanic Arts.*

E. B. CRITZER, *Instructor in Mechanical Engineering.*

J. GRISSOM, *Engineer.*

Two courses are offered, a four-year course leading to the degree of B. M. E. (see page 69), and a short course of two or three years (see page 80), depending upon the preparation of the student.

While the major part of a course in mechanical engineering necessarily consists of scientific and technical studies, the four years' course provides for instruction in English and the modern languages, and offers electives that may be taken in other than technical subjects.

Besides the mathematical and scientific studies which constitute the necessary preparation for the study of the engineering branches, instruction is given in mechanics, machine design, theory of steam and gas engines, etc. Special attention is given to the practical application of the truths and theories taught in the class room, a large part of the time being devoted to shop work, drawing and laboratory practice.

Sufficient instruction is given in the theory and use of electrical machinery to enable the student to use it intelligently.

In the Senior year the student is offered an elective in the branch of mechanical engineering in which he wishes to specialize.

SHOP WORK (hours as assigned).

1. (a) WOODWORKING.—Principles of carpentry and joinery; exercises in wood turning. M. T. 1, 2, 3, 4.

(b) FOUNDRY.—Green sand moulding; melting and pouring brass and iron. W. 5, 6, 7; Th. F. 5, 6, 7, 8; Sat. 1, 2, 3, 4.

(c) FORGING.—Management of fire; drawing and welding; riveting and tempering; case hardening and annealing.

(d) PATTERNMAKING.—Practice in making patterns; care and use of woodworking machinery. W. 5, 6, 7; Th. F. 5, 6, 7, 8; Sat. 1, 2, 3, 4.

(e) IRONWORKING.—Chipping; filing; turning; planing; drilling; grinding; erection of machinery. M. T. 1, 2, 3, 4; W. 1, 2, 5, 6, 7; Th. 1, 2, 5, 6, 7; F. 5, 6, 7, 8; Sat. 1, 2, 3, 4.

(f) ADVANCED WORK in any of the above courses.

2. (a) MECHANICAL DRAWING (2 or 3).—Lettering, geometrical drawing; copying machine drawings; working drawings from machine parts; tracing; blue printing. M. T. 6, 7.

(b) MECHANICAL DRAWING.—Perspective and isometric drawing; intersections; development; detail drawing; blue printing. M. T. 6, 7.

3. MACHINE DESIGN (3).—Kinematics of machinery; design of gear teeth; link motions, cams, etc. One hour's recitation and four hours' drawing per week. M. 4; T. 6, 7.

4. MECHANICS (4).—Theoretical Mechanics, first term; Mechanics of Materials, second term. *Text-books*: Wright's Mechanics and Merriman's Mechanics of Materials. M. T. W. Th. 1.

(a) ELEMENTARY MECHANICS.—An elementary course in mechanics and hydraulics. *Prerequisite: First Preparatory Mathematics.*

5. STEAM MACHINERY AND GAS ENGINES (3).—Elementary thermodynamics; comparison of types of steam engines, gas engines, boilers, etc.; valve gears. T. Th. 3; F. 1.

5a. STEAM ENGINES AND BOILERS (3).—Elementary theory of steam engines and boilers—care and management of same; valve gears. Three hours per week one year. *Prerequisite: Sub. Freshman Mathematics.* T. Th. F. 3.

6. EXPERIMENTAL ENGINEERING (2).—Calibration of engineering instruments, indicators, steam gauges, planimeters, nozzles, meters, weirs, etc.; tests of the materials of construction in tension, torsion, compression and bending; valve setting. *Text-book: Experimental Engineering, Carpenter.* Four hours laboratory work per week. W. 4, 5, 6, 7.

7. MACHINE DESIGN (4).—Theory of steam and gas engines; problems in steam engine and boiler design. One recitation, six periods of drawing. W. 2; M. T. 5, 6, 7.

8. EXPERIMENTAL ENGINEERING (2).—Complete tests of different types of steam engines, boilers, pumps, gas engines, oil engines, turbines; special investigations. W. 5, 6, 7, 8.

9. HYDRAULICS AND HYDRAULIC MACHINERY (2).—Hydraulics and hydrostatics the second term during Junior year and a study of the design, construction and operation of turbines and pumping machinery the first term of the Senior year. *Text-book: Treatise on Hydraulics, Merriman.* Two recitations per week. Th. 4; F. 2.

10. METHODS OF ICE MAKING; COLD STORAGE (2).—Ice-making machinery. Two hours per week for one term.

11. HEATING AND VENTILATING (3).—Principles of ventilation; the different systems of heating by steam, hot water, and air; specifications. Three hours per week for one term.

12. STEAM ENGINEERING (4).—Mechanical engineering of power plants; selection of machinery for the equipment of power stations; plans and specifications. One lecture and six hours drawing per week, second term. *Prerequisite: M. E. 5.*

13. MACHINERY AND MILL WORK (4).—Discussions of the different methods of distributing power in mill work; consider-

ations controlling the design of the power plant; specifications. One hour's lecture and six hours' drawing per week, second term.

14. RAILROAD ENGINEERING (4).—Design and construction of locomotives; repairs for rolling stock; discussion of the problems relating to the mechanical engineering of railroads. One hour's lecture and six hours' drawing per week, second term. *Prerequisite:* M. E. 5.

CIVIL ENGINEERING.

J. J. KNOCH, *Professor.*

V. P. KNOTT, *Instructor.*

The design of this department is to furnish a course of theoretical instruction, accompanied by illustrations and as much of engineering practice as can well be taught in schools. This course will give the student a knowledge of the fundamental principles required to enter intelligently upon the various branches of engineering belonging to this profession.

The special technical studies, which are offered in this course, may be grouped under the heads of surveying, applied mechanics, road and railroad engineering, hydraulic engineering, bridge engineering, and sanitary engineering. A general outline of the course is found on page 71.

Instruction. The work in surveying extends over three years. It embraces land surveying, leveling and United States public land surveys during the Sophomore year; topography, railroad reconnoissance and location during the Junior year; triangulation and geodesy during the Senior year. Much time is devoted to practice in the field and drafting room, this work being carried on parallel with the classroom work. Each year a party of engineering students go into camp one week for practice in surveying and locating railway lines.

1. DESCRIPTIVE GEOMETRY (2).—Recitation and practice, first term. *Text-book:* Church's Descriptive Geometry. Engineering Hall. Th. 8:30-9:30; M. 1:30-3:20.

1a. DRAWING (2).—Selection and care of instruments. Drawing geometrical figures, conventional representation of materials, copying and tracing working drawings; and drawing from models. Two afternoons throughout the year. Engineering Hall. T. W. 1:30-3:20.

2. SURVEYING (*with 3*) (3).—First, and part of second, term. Care, use, and adjustment of instruments; use of chain, tape, compass, transit, solar attachment, level, sextant, and plane table; land surveying, leveling, contouring, laws, and instructions relating to surveys of the public domain. *Text-book*: Raymond's. Engineering Hall. T. F. 8:30-9:30.

3. FIELD PRACTICE.—Exercises in land, city, and topographical surveying. One afternoon throughout the year. Th. 12:40-4:00.

4. HIGHWAYS (1).—One hour per week, second term. The location, construction, and maintenance of common, Macadam, and Telford roads; brick, stone, wood, and asphalt pavements for city streets. *Text-book*: Spalding's Roads, Streets, and Pavements. Engineering Hall. Th. 8:30-9:25.

4a. ARCHITECTURAL DRAWING (1).—One hour per week, second term. Elementary course in architecture; drawing plans and elevations of simple structures; analysis of plans. M. 1:30-3:20.

5. RAILROAD ENGINEERING (2).—Two hours per week throughout the year. Preliminary surveys and location; transition curves, yards, and turnouts; estimates of earthwork and material used in construction; the economics of railroad location and management. *Text-books*: Searle's Field Engineering, and Crandall's Transition Curve and Earthwork Computations, first term; Wellington's Economic Theory of Railway Location, second term. Engineering Hall. T. Th. 10:20-11:15.

6. FIELD PRACTICE (2).—Location of curves, turnouts, and Y's; measurement of embankments and cuts, and computation of volumes. Four hours a week throughout the year. F. 12:40-4:00.

7. RAILROAD SURVEY.—One week, twelve hours per day. Actual field practice in reconnoissance, preliminary survey, and location.

8. DRAWING (2).—Lettering titles for maps and drawings. Pen and colored topography. Four hours a week throughout the year. Engineering Hall. Th. F. 11:15-1:35.

8a. DRAWING (2).—Lectures and practice two afternoons a week throughout the year. Shades, shadows and perspective. Topographical and railroad maps from actual surveys; masonry dams, structural details, and working drawings for designs. Engineering Hall. M. W. 8:30-10:20.

9. MASONRY CONSTRUCTION (2).—Two hours per week, first term. Use of lime, and hydraulic cement mortars; stone and brick masonry foundations; foundations in soft materials on land and under water; cofferdams, cribs, and caissons. *Text-book:* Baker's Masonry Construction. Engineering Hall. W. Th. 11:15-12:10.

10. ROOFS AND BRIDGES (3).—Four hours per week, first term; three hours, second term. Theory of computation of stresses by both analytical and graphic methods; full computations, designs and bills of material for a roof truss and railroad bridge. *Text-books:* Merriman and Jacoby's Roofs and Bridges, Parts I, II, and III. Engineering Hall. M. T. W. F. 9:25-10:20.

11. SANITARY ENGINEERING (2).—Two hours per week, first term. Calculation and special details of construction of sewers; separate and combined systems of sewerage; purification of sewage; municipal and domestic sanitation. *Text-book:* Baumeister's Cleaning and Sewerage of Cities. Engineering Hall. W. Th. 9:25-10:20.

12. TECHNICAL DRAWING (2).—Lectures and practice, four hours per week throughout the year. Right and oblique arches; drawings for computations of course 10. Engineering Hall. T. W. 1:30-3:20.

13. WATERWORKS ENGINEERING (3).—Three hours per week, second term. Study of systems of water supply; collection, purification and distribution of water; location of waterworks, with details of estimate of cost; turbines and pumping engines. *Text-book:* Folwell's Water Supply Engineering. Engineering Hall. W. Th. F. 9:25-10:20.

14. ENGINEERING LABORATORY (2).—Two hours per week, first term. Test of strength and other properties of materials of construction; tensile and crushing tests of brick, stone and cement; flow of water through pipes, elbows, valves and measurement by means of weirs. Engineering Hall. F. 12:40-4:00.

15. FIELD PRACTICE (2).—Two hours per week, first and second terms. Topographical survey, triangulation, precise leveling, and practical astronomy. Th. 12:40-4:00.

16. CONTRACTS AND SPECIFICATIONS (3).—Elective for Seniors in Engineering. Lectures and recitations three times per week. *Text-books:* Johnson's Contracts and Specifications; Wait's Engineering and Architectural Jurisprudence. Engineering Hall. M. T. W. 9:25-10:20.

ELECTRICAL ENGINEERING AND PHYSICS.

W. N. GLADSON, *Professor.*

H. SCHAPPER, *Adjunct Professor.*

L. S. OLNEY, *Assistant.*

Two courses of instruction are offered in electrical engineering. The four years' course described on page 70 is intended to afford a good general education, and at the same time to ground the student so thoroughly in the principles of electrical engineering as to furnish a good foundation for the profession.

Theoretical and applied electricity and the mechanics of engineering are naturally the leading subjects.

Theory is amply treated and tested by experiments in well-equipped laboratories, thus affording the student a degree of facility in the use of instruments and machines which is acquired only by continued practice. As a requisite for graduation, each candidate must present an acceptable thesis, embodying the results of special study. The subject of such study must lie within the field of electrical engineering. It must be announced not later than the beginning of the second term of the Senior year, and be approved by the professor in charge. The completed thesis must be submitted not later than two weeks before commencement day, and one copy must be deposited in the library as the property of the University.

The short course of two years described on page 81 is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary than in the long course, embracing only the necessary mathematics, which, with electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice, in the shortest possible time.

Five courses are offered in physics, and additional work may be arranged for by any student selecting his major in this department.

I. ELECTRICAL ENGINEERING (5).—Recitation and lectures five times a week throughout the year. Installation and operation of electrical machinery; underwriter's rules; calculations; estimates; specifications, and practical work. *Text-books:* Manage-

ment of Dynamos and Motors, by Croker and Wheeler; and Electricity and Magnetism, by Thompson. Engineering Hall. M. F. 3. ASSISTANT OLNEY.

3. TECHNICAL DRAWING (2).—Lectures and practice two afternoons a week throughout the year. Working drawings of electrical apparatus; elementary machine design; wiring plans designed by student. Engineering Hall, 2d floor. M. T. 6, 7.

PROFESSOR GLADSON AND ASSISTANT OLNEY.

3a. DRAWING (2).—Use and care of instruments; copying of mechanical drawings; wiring plans; drawing of machine parts. Engineering Hall, 2d floor. T. W. 6, 7. ASSISTANT OLNEY.

4. TECHNICAL DRAWING (2).—Lectures and practice four hours a week throughout the year; an extension of course 3, and must be preceded by it. Drawings of circuit and machine, electrical calculations, and mechanical designs of electrical machinery; complete power plants designed by student. Engineering Hall, 2d floor. M. T. 6, 7.

PROFESSOR GLADSON AND ASSISTANT OLNEY.

5. ELECTRICAL LABORATORY (2).—One afternoon a week throughout the year. An extended course in magnetic and electrical measurements; current, electro-motive force and resistance; use and calibration of instruments; exploration of magnetic fields; testing of direct current dynamos and motors. Engineering Hall, basement. Th. 5, 8. PROFESSOR GLADSON AND ASSISTANT OLNEY.

6. ELECTRICAL LABORATORY (2).—One afternoon a week throughout the year. A full experimental course in operating and testing direct and alternate current machines; photometry transmission, storage, and transformation of electric energy. Special courses given suited to the preparation and object of the student. *Prerequisite: Physics 2a.* Engineering Hall, 1st floor. F. 5, 8.

PROFESSOR GLADSON AND ASSISTANT OLNEY.

7. DYNAMO-ELECTRIC MACHINERY (3).—Recitations three hours a week throughout the year. Confined chiefly to direct current apparatus, including types of motors, generators, and transformers; design, calculations, construction, testing, and operating. *Text-book:* Thompson's Dynamo Electric Machinery. Engineering Hall, 1st floor. M. T. W. 2.

ADJUNCT PROFESSOR SCHAPPER.

8. THEORY OF ALTERNATE CURRENTS (3).—Recitations three times a week, first term. *Text-book*: Sheldon's Alternate Currents; Machines. Engineering Hall, 1st floor. M. T. W. 1.

PROFESSOR GLADSON.

9. POLYPHASE ELECTRIC CURRENTS (3).—Recitations and lectures three times a week, second term. *Text-book*: Thompson's Polyphase Electric Currents. Engineering Hall, 1st floor. M. T. W. 1.

PROFESSOR GLADSON.

10. ELECTRIC RAILWAYS (2).—Recitations and lectures twice a week, second term. *Text-book*: Electric Railways by Ashe & Keiley. Engineering Hall, 1st floor. Th. F. 2.

PROFESSOR GLADSON.

11. TELEPHONY AND TELEGRAPHY (2).—Lectures and recitations twice a week throughout the year. *Text-books*: K. B. Miller's American Telephone Practice and American Telegraphy by Mayer. Engineering Hall, 1st floor. Th. F. 1.

PROFESSOR GLADSON.

12. ELECTRICAL MACHINERY (3).—Recitations three times a week on direct and alternate current dynamos and motors; their application to light, power, railway mining, and manufacturing. *Text-book*: Dynamo Electric Machinery, by S. Sheldon. Engineering Hall, 2d floor. M. T. W. 1.

ADJUNCT PROFESSOR SCHAPPER.

13. POWER STATIONS (2).—Lectures two hours a week, second term. Selection of machinery for power stations; steam, hydraulic, gas, and electrical station construction; operation and management. Senior elective.

PROFESSOR GLADSON.

14. ELECTRIC TRANSMISSION AND DISTRIBUTION (2).—A study of the different methods of electrical power distribution for light, railway or stationary power; long distance transmission. Senior elective.

PROFESSOR GLADSON.

NOTE.—This department will offer a course in electro-chemistry as soon as laboratory equipment can be provided.

PHYSICS.

1. GENERAL PHYSICS (3).—Recitations and lectures with demonstrations three hours a week throughout the year on mechanics; heat; light; sound; electricity; and magnetism. *Prerequisite: Math. 1 and 2 or Preparatory Physics*, two hours. M. W. F.

PROFESSOR GLADSON AND ADJUNCT PROFESSOR SCHAPPER.

1a. PRECISION OF MEASUREMENTS (1).—Lectures. A discussion of physical measurements, errors, sources of errors, accuracy of results; methods of least squares, etc. One hour a week second term, Freshman, and one hour a week first term, Sophomore. F. 1.

ADJUNCT PROFESSOR SCHAPPER.

1b. GENERAL PHYSICS (1½).—Laboratory work three hours a week one year. *Prerequisite: Physics 1.*

PROFESSOR GLADSON AND ADJUNCT PROFESSOR SCHAPPER.

2. ADVANCED GENERAL PHYSICS (2).—Lectures and recitations two hours a week one year on statics; dynamics; magnetism; electricity; photometry, etc. T. Th. 3.

ADJUNCT PROFESSOR SCHAPPER.

2a. LABORATORY WORK (2).—Two hours a week one year. Advanced accurate measurements on statics; dynamics; magnetism; electricity; photometry. *Prerequisite: Physics 2.* T. 5-8.

ADJUNCT PROFESSOR SCHAPPER.

3. THEORETICAL ELECTRICITY (2).—Two hours a week one year. Vector Analysis; Maxwell's Theory; The Modern Electron Theory. *Prerequisite: Calculus.* ADJUNCT PROFESSOR SCHAPPER.

4. KINETIC THEORY OF GASES (2).—Two hours a week, first term. *Prerequisite: Calculus.* ADJUNCT PROFESSOR SCHAPPER.

5. THERMODYNAMICS (2).—Two hours a week, second term. *Prerequisite: Physics 4.* ADJUNCT PROFESSOR SCHAPPER.

NOTE.—Courses 3, 4, and 5 are elective courses, and will be given, at the option of the department, when elected by a sufficient number of students.

AGRICULTURE.

G. A. COLE, *Professor.*

For the announcement of this department, see page 141, under the heading, "The College of Agriculture." Cf. pp. 138-149.

HORTICULTURE.

ERNEST WALKER, *Professor.*

For the announcement of this department, see pp. 145-6, under the heading, "The College of Agriculture."

MILITARY SCIENCE AND TACTICS.

CAPTAIN R. B. POWERS, 7th United States Cavalry, *Professor.*

The head of the military department is an officer of the United States Army, detailed by the war department for duty at the University.

All male students, not physically disabled, are required to take the theoretical and practical course in military science and tactics. This course covers the entire period of the student's stay at the University.

The act of congress donating public lands for educational purposes requires that institutions that are the beneficiaries of such donations include military science and tactics in their course of instruction.

The system of practical instruction closely follows that used in the United States Army. Besides being excellent physical training this instruction has many advantages mentally. The necessity of being alert, listening for each word of command and acting promptly on it, quickens the wit, and cultivates the habit of fixing the attention and concentrating the thoughts. In addition, it inculcates in the student a respect for authority and discipline which is equaled by no other system.

The cadets are organized into one battalion composed of field staff, band, and four companies. The officers and non-commissioned officers are selected from those students who are most proficient in the military department, the captains and lieutenants being taken from the Senior and Junior classes, the sergeants and corporals from the Sophomore and Freshman classes. An office in the battalion is one of merit and distinction, and any unbecoming conduct subjects the appointee to reduction to the ranks.

The cadet band, of some twenty pieces, constitutes an interesting feature of the military organization. It receives the best instruction obtainable, practices three times a week, and takes part in all military ceremonies.

On the graduation of every class the professor of military science and tactics reports to the military secretary of the army the names of such students belonging to the class as have shown special aptitude for military service, and furnish a copy thereof to the adjutant-general of the state for his information. The President of the United States in appointing officers from civil life will undoubtedly give preference to those whose names are so recorded.

Cadet officers, on graduation, are breveted in the state guard with the rank held by them in the cadet battalion at the date of their graduation. The following is prescribed by the war department as the minimum course of military instruction:

PRACTICAL.—Infantry Drill Regulations; Field Service Regulations; Manual of Guard Duty; Firing Regulations for Small Arms.

Theoretical instruction shall include the portions of the above subjects covered by the practical instruction, and may be supplemented by lectures. Under the authority of the President of the United States the military department is inspected every year by an army officer specially detailed for this purpose. A copy of the report of the inspection is furnished the President of the University by the war department.

The Preparatory School

Fayetteville.

WILLIAM ALLEN RAMSEY, B. S., PRINCIPAL,

Mathematics.

620 Ida Ave.

B. S., Arkansas College, 1891; Principal, Public Schools, Walnut Ridge and Augusta, Arkansas, 1891-1894; Principal, Jordan's Academy, Pine Bluff, 1894-1896; Professor of Philosophy and Economics, Little Rock University, 1896-1897; Superintendent of Schools, Arkansas City and Benton, Arkansas, 1897-1905; present position since 1905.

NAOMI JOSEPHINE WILLIAMS, A. M. . . . 607 W. Dickson St.

Latin and History.

B. L. L., University of Arkansas, 1880; Private School Teacher, 1880-1885; A. M., University of Arkansas, 1884; Teacher in Public Schools, 1885-1887; present position since 1887; Student in University of Michigan, winter of 1901-1902.

MARY ANNE DAVIS. 327 Washington Ave.

English and History.

Graduate of Hamilton College, Lexington, Kentucky, 1888; Teacher in Public Schools, 1890-1892; present position since 1893; Course in English, University of City of New York, 1895, and University of Chicago, 1899.

ROBERT EDWARD PHILBECK, B. A. . . . 200 S. College Ave.

Mathematics.

Teacher in Public Schools, 1896-1898; B. A., University of Arkansas, 1900; Graduate Student, University of Arkansas, 1901; Principal, Fayetteville, Arkansas, High School, 1901-1902; present position since 1902.

DAISY YOUNG, B. A. 616 Ida Ave.

Mathematics.

B. A. University of Arkansas, 1900; Teacher, Springdale, Arkansas, College, 1900-1901; Teacher, Springdale Public School, 1901-1903; Teacher Hendrix Academy, Gentry, Arkansas, 1903-1904; present position since 1904.

GENEVIEVE CHRISTINE BRODERSEN, B. A.,

English, Latin and Mathematics.

358 Arkansas Ave.

B. A., Bardstown, Kentucky, Male and Female Institute, 1898; Teacher in the same institution, 1898-1899; present position since 1904; Special Summer Course in Columbia University of New York City, 1905.

RUPERT TAYLOR, B. A. 820 W. Maple St.

English.

B. A., University of Arkansas, 1903; Principal, Public High School, Texarkana, Texas, 1903-1905; present position since 1905.

ARTHUR McCRACKEN HARDING, B. A.,

Mathematics.

214 E. Lafayette Ave.

B. A., University of Arkansas, 1904; Professor of Latin and Greek, Hinemon University School, 1904-1905; present position since 1905.

PEARL MARTIN, B. S.....416 Fletcher Ave.
English and History.

B. S., University of Arkansas, 1893; Teacher Public School, Hot Springs, 1895-1896; Public Schools, Fayetteville, 1896-1905; Elected to present position June, 1905. (Unable to serve on account of health).

EDNA ARLINGTON ALLEN, B. A.....314 W. Center St.
Latin, English and History.

B. A., University of Arkansas, 1896; Teacher in Public Schools, Muskogee, Indian Territory, 1899-1902; Principal, Muskogee Public School, 1902-1905; present position since 1905.

Instruction in German, civics, physics, pedagogy, woodworking, forging, drawing, bookkeeping and agriculture is given by collegiate professors.

As the name implies, this school is maintained for the purpose of preparing students for admission to the Freshman class in any course in the University. With this purpose in view, the courses have been arranged, and instruction is given accordingly. While, incidentally, it serves to furnish secondary training to many who have poor or no high school advantages at home, and who do not wish to pursue a collegiate course, still no special course is arranged for them. The course preparatory to the University normal course also prepares for teaching in the public schools of the state, and the professor of that department offers a special short course for teachers who do not desire to take the full normal course. Most of this work is done in the Preparatory School.

Students seeking to enter the Preparatory School should be thoroughly prepared for examination in the subjects required for admission to the class to which they seek entrance.

Requirements for Admission to the First Year Class.

Students desiring to enter the first year class will be examined in the following:

1. *Arithmetic.* The whole of common school arithmetic; an accurate knowledge of the properties of numbers, fractions, measurements, etc., and a good general knowledge of percentage and its applications.

2. *English Grammar.* The fundamental principles of English grammar and composition.

3. *United States History.* The leading facts in American History.

4. *Geography*. The whole of some complete manual of geography.

5. *Spelling and Writing*. Proficiency in these subjects is tested by the examination papers.

Requirements for Admission to the Second Year Class.

Students desiring to enter the second year class will be examined upon the following:

1. *Arithmetic*. A thorough and accurate knowledge of the whole of common school arithmetic.

2. *Algebra*. Academic algebra to simultaneous equations.

3. *English*. English grammar completed, and elementary composition.

4. *History*. An advanced United States history, studied with special reference to growth and development; History of England.

5. *Latin*. Bennett's Latin Lessons, or its equivalent, and easy sight reading. (Required of those desiring to study second year Latin.)

6. *Agriculture and Bookkeeping*. Elements of agriculture and single entry bookkeeping. (Required of those desiring to take second year agriculture.)

NOTE.—Students entering after the session has begun will be examined also in the work passed over by their class. Students who hold first grade teachers' licenses and who have had experience in teaching will be admitted, without examination, to the second year class in the subjects covered by the licenses. Other grades of teachers' licenses and certificates of work done in other schools will be recognized to some extent in classifying students. A student should always bring with him all report cards and certificates of school work.

Examinations at Places Other Than Fayetteville.

Students living at a distance from the University may obtain special local examinations if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

Courses of Study in the Preparatory School.

The Preparatory School consists of two sub-college classes, and students are required to complete sixteen hours' work in the first year class, and seventeen hours' work in the second year's class as a condition of promotion to the University Freshman class. A student, having completed the prescribed preparatory work in any subject, may be admitted to the Freshman class therein, provided no preparatory study is omitted for this purpose.

Special courses of study are discouraged in the Preparatory School, but students known to be in poor health or having physical defects which interfere with their studies, may be permitted by the faculty to defer one or more subjects and extend the course over a longer period.

The classification of preparatory students is governed by the rule stated under "Classification of Students" (page 42). Studies in lower classes have precedence of higher ones. Students cannot, therefore, omit studies in the Preparatory School and take up collegiate courses except in such cases as may be allowed by the faculty under paragraph (3) page 53.

The completion of thirty-three hours of the following work is required for entrance to the Freshman class in either the B. A. or B. S. course, and twenty-six hours for entrance to the Freshman class in any of the engineering courses.

FIRST YEAR CLASS.	Hrs. per week.	SECOND YEAR CLASS.	Hrs. per week.
Required Work, 12 hours.		Required Work, 13 hours.	
Arithmetic.....	2	Algebra.....	2
Algebra.....	3	Geometry.....	4
History of the United States and England.....	3	English.....	4
English.....	4	History of Greece and Rome....	3
Elective Work (selected from the following), 4 hours.		Elective Work (selected from the following), 4 hours.	
Latin.....	4	Latin.....	4
German.....	4	German.....	4
Nature Study.....	1	Physiology.....	2
Agriculture and Bookkeeping ..	3	Dairying and Bookkeeping.....	4
Woodwork.....	2	Physics.....	2
Forge Work.....	1	Civics.....	2
Total, 16 hours.		Total, 17 hours.	

NOTE.—Students desiring to take the course leading to the B. A. degree must elect either Latin or German in the preparatory classes. Students desiring to take the course leading to the B. S. degree may elect any four hours' elective work in each year. Those desiring to take any of the engineering courses may omit the history of Greece and Rome, and may elect any four hours of elective work. For the course leading to the Conservatory Course, see page 131.

Teachers' Course.

This course has been arranged for students who do not desire to take a full course at the University, but who wish to qualify themselves to teach in the public schools of this state.

FIRST YEAR CLASS.	Hrs. per week.	SECOND YEAR CLASS.	Hrs. per week.
Arithmetic	2	Algebra	2
Algebra	3	Plane Geometry.....	4
English.....	4	English.....	4
History of the United States and Arkansas.....	3	History of Greece and Rome...	3
Civil Government.....	2	Physics.....	2
Physiology, 2; Pedagogy, 1.....	3	Pedagogy	1
Latin.....	4	Latin.....	2

NOTE.—In this teachers' course it is intended that the completion of the first year's work shall prepare the student for a first grade license, and the completion of the second year's work for a professional license. Students desiring to prepare for the Normal Science Course will omit Latin; for the Normal Art Course, omit Civil Government, Physiology, and Physics.

Detailed Work of Courses.

FIRST YEAR CLASS.

MATHEMATICS, 5.—Lyman's Advanced Arithmetic; Milne's Academic Algebra to Simultaneous Equations.

ENGLISH, 4.—(1) *English Grammar*: Maxwell's Advanced Grammar. (2) *Composition*: Dictation; letter writing; classroom themes, one each week, written and rewritten, based on assigned general reading, with special attention given to spelling, punctuation, paragraphing and idiomatic expression. (3) *For General Reading*: Irving's Life of Goldsmith; Addison's Sir Roger de Coverley; Lowell's Vision of Sir Launfal; Coleridge's Ancient Mariner. (4) *For Careful Study*: Macaulay's Life of Johnson; Burke's Speech on Conciliation. (5) *For Memorizing*: Coleridge's Ancient Mariner; Lowell's Vision of Sir Launfal.

LATIN, 4.—Bennett's Latin Lessons; Collar's New Gradatim.

GERMAN, 4.—Lange's German Method; translation from German into English; elementary exercises in translating into German; memorizing of easy German songs.

HISTORY, 3.—Eggleston's New Century History of the United States and other texts for collateral study; History of England—text to be selected.

ELEMENTARY AGRICULTURE AND BOOKKEEPING, 3.—Elementary work in Agriculture, and a course in single entry bookkeeping.

WOODWORKING, 4.—Principles of carpentry and joinery; wood turning; cabinet work. Sickel's Exercises in Woodworking.

FORGING, 2.—Management of fire; drawing; welding; riveting; tempering.

SECOND YEAR CLASS.

MATHEMATICS, 6.—Milne's Academic Algebra through quadratics; Beman and Smith's Plane Geometry, completed.

ENGLISH, 4.—(1) *Rhetoric*: Hill's Beginnings of Rhetoric. 2. *Composition*: Class-room themes, one each week, written and rewritten, based upon assigned general reading, with especial attention given to spelling, punctuation, paragraphing and idiomatic expression. (3) *For General Reading*: Tennyson's Gareth and Lynette, Lancelot and Elaine, and the Passing of Arthur; Shakspeare's Macbeth, and Merchant of Venice; Scott's Ivanhoe, and Lady of the Lake; George Eliot's Silas Marner. (4) *For Care Study*: Shakspeare's Julius Cæsar; Macaulay's Essay on Addison; Milton's L'Allegro, Il Penseroso, Comus and Lycidas. (5) *For Memorizing*: Milton's L'Allegro, Il Penseroso, Comus and Lycidas, and selections from Shakspeare's Julius Cæsar and Tennyson's Idylls of the King.

LATIN, 4.—Four Books of Cæsar, or an equivalent; Bennett's Grammar and Exercise Book.

GERMAN, 4.—Review of grammatical principles with especial reference to syntax; reading of works of modern authors; composition; sight reading; assigned reading; memorizing of German songs.

HISTORY, 3.—Morey's Outlines of Greek History, first term; Morey's Outlines of Roman History, second term.

PHYSIOLOGY, 2.—Hutchinson's Physiology and Hygiene.

PHYSICS, 2.—Gage's Elements of Physics; lectures; laboratory and written work.

PEDAGOGY, 5.—Page's Theory and Practice of Teaching; Baldwin's Art of School Management; McMurry's General Methods; McMurry's Methods of Recitation; Buell's Psychology; James's Psychology.

CIVIL GOVERNMENT, 2.—Willoughby's Rights and Duties of American Citizenship; Arkansas and The Nation; and Reynolds' Makers of Arkansas History.

FREEHAND DRAWING, 4.—Practice work; outline drawing from models and machine parts; plan, elevation and section drawings.

AGRICULTURE AND BOOKKEEPING, 4.—Dairying three hours; Double Entry Bookkeeping and Commercial Law, one hour.

NOTE.—In the preceding courses, the figure after each subject indicates the number of hours per week.

The Conservatory of Music and Arts

Fayetteville.

JOHN NEWTON TILLMAN.....421 N. College Ave.
President.

HAZEL ARCHER YATES, Director.....123 College Ave.
Piano and Violin.

Pupil of Mr. and Mrs. E. L. Busch in the University of Arkansas; Mr. Marx E. Oberndorfer, Chicago; Herr Bruno Michaelis, Ft. Smith; Herr I. L. Schoen, St. Louis; and Mr. Ernest R. Kroeger, St. Louis; present position since 1904.

GERTRUDE CRAWFORD206 College Ave.
Voice Culture.

Pupil for four years of L. Gaston Gottschalk; later, pupil for two years of Frederic W. Root; Instructor in Vocal Music, University of Arkansas, 1897-1901, and 1903 to the present time.

FRANK BARR227 N. Maple Ave.
Band Instruments.

WILLIE VANDEVENTER-CROCKETT.....318 W. Lafayette Ave.
Elocution and Physical Culture.

Pupil of Mary Leverett-Taff; Jessie L. Cravens; Jessie Patton, and Will C. Milner, Chicago; Anna M. Chambers, Chicago; Frank Townsend Southwick and Genevieve Stebbins-Astley, Principals of the New York School of Expression; private teacher 1893-96; teacher in the Bolinger Conservatory at Ft. Smith, 1900-03; public reader appearing in lyceum courses, and at Chautauquas, 1902-5; present position since 1905.

FRANCES MCSWINE.....Vandeventer St.
Art.

CORDELIA BAIRDVandeventer St.
Art.

Students of the St. Louis School of Fine Arts; William Chase; Louie Mora; Howard Christy.

Purpose.

The fundamental idea of the management has been to make the Conservatory of Music and Arts complete and thorough in every respect, and to advance the pupils rapidly, yet carefully. In other words, the standard of efficiency must be so high that a certificate of study and ability granted here will possess a value recognized far and wide, and that pupils will choose to study here in preference to going to the great cities.

Tuition in the Conservatory of Music and Arts.

Owing to the fact that the state provides for the expenses of the music department and a portion of the salary of the instructors, the tuition is far below the usual price paid elsewhere for similar advantages.

One term (18 weeks) two lessons per week—Piano voice culture, string or band instruments.....	\$22 50
Harmony (in class)	5 00
Use of pianoforte for practice one hour daily.....	2 50
Elocution in classes free to University students.	
Regular art course, per month.....	5 00
Per term of three months.....	12 00
Teachers' art course, per month.....	1 50

All students are required to matriculate with the secretary of the University. The music and art students will pay the regular matriculation fee of five dollars in addition to their tuition.

The tuition is based upon a term of eighteen weeks, except when otherwise stated, and these rates do not apply for a less period. Tuition must be paid at the beginning of the term and receipt presented before taking lessons.

Rules and Regulations.

All arrangements must be made at the director's office (University Hall, room 26). The tuition is payable strictly in advance; if it is paid later, a higher rate is charged. Pupils may enter at any time, but will not be accepted for less than one term of eighteen weeks. No deduction can be made for lessons missed by the pupil, but such lessons may be made up within the term. Pupils are not allowed to take part in public entertainments without the knowledge and consent of the director. For further information, address the director.

Special Advantages of Conservatory Instruction.

Aside from the opportunity of instruction by teachers of recognized ability, the advantages of conservatory over private instruction are so manifest that we deem it hardly necessary to enumerate the many points in its favor.

It is almost impossible for the private teacher to give the required attention to the different instrumental branches, as well as the theoretical, such as harmony, counterpoint, composition,

ear training, etc., which are absolutely essential to a thorough musical training; at the same time, the lectures on musical history, the public recitals, as well as the close association of a large number of earnest students, create a certain musical atmosphere which is a great aid and stimulus to increased efforts on the part of pupils.

Recitals.

Especial attention is called to the recitals of both students and faculty, of which a number are given each year, and which have won a reputation for artistic excellence. The advantage derived from these can not be overestimated.

At the pupils' recitals, which are given at regular intervals, all students are privileged and expected to appear as their talents and advancement may warrant. Not only does this offer them a greater incentive to put forth their best efforts, but it helps them to overcome the nervousness which often mars the performance of students who have not the opportunity of performing frequently before an audience. The recitals given by members of the faculty have attracted especial attention, and, needless to say, are a further aid and attraction to pupils.

Orchestra.

Students of the violin and other orchestral instruments will, as soon as possible, be admitted to membership in the University orchestra, which takes part in all recitals and concerts. This practice is a decided advantage, as well as a source of pleasure to the student. Students derive great benefit from the orchestral and chorus practice, which is free to all students of the University. The work of the pupils in these branches has elicited the highest commendation.

Piano.

The method of pianoforte instruction is the "flexible wrist, loose arm system," inaugurated by Mendelssohn, Chopin, Thalberg, Gottschalk and continued by Liszt and Leschetizky and their pupils. The flexibility of the wrist is the only means of securing a full, noble, and rich tone from the piano. The keys should be pressed with a boneless hand and fingers of velvet.

Piano Practice.

Pupils can arrange at a very moderate expense to do their daily practicing at the University, in case this should prove desirable.

Violin.

The violin is by many considered the most difficult of instruments and requires careful and conscientious study. Much depends on the beginning. Often a pupil begins study with an inexperienced teacher, or one who does not concentrate his attention on this one most difficult instrument, and consequently falls into bad habits of position, bowing, or technique, that make advancement difficult, and are in many cases almost impossible to overcome. The pupil is taken from the beginning and carefully brought through the most difficult phases of the violin. In addition to his exercises, he is, as soon as possible, given pieces within his capacity.

The course of study includes the following: Mazas's Practical Method for the Violin; De Beriot's Violin School; Kayser's 36 Etudes, op. 20; Mazas's Etudes, op. 38; Rud. Kreutzer's Etudes; P. Rodes' 24 Caprices; pieces by Dancla; De Beriot; J. Weiss; Musim; David; J. Hubay.

Band Instruments.

Students of band instruments may, as soon as is practicable, be admitted to membership in the University band, which is under the direction of an experienced bandmaster.

Voice Culture.

In this branch special stress is laid on the control of the breath, accuracy of tone, and distinct articulation; next, the development of mind, body, and voice, co-operatively. There is study of intervals, scale building, sight reading. As early as practicable the student is trained in phrasing. Musical expression is artistically developed in harmony with the individuality of the pupil. The exercises used are those best adapted to the needs of the pupil. Songs of the best American, English, German, Italian and French composers are used according to the progress of the pupil. There is study of opera and oratorio.

Harmony.

Harmony includes keys, scales, intervals, formation of the triad, chord connections, and simple part writing, harmonizing basses, including all chords of the seventh and their inversions, altered and augmented chords, suspensions and modulation.

Sight Reading.

All music pupils will be given practice in sight reading, which will be a great aid in their regular work.

Teachers' Course.

Those desiring to become teachers will be given special preparation when they are sufficiently advanced in their branches.

Certificates.

In replying to the many inquiries regarding the period of study required for graduation, it must be said that it is difficult to answer this question, as all depends upon the ability and application of the student. Some will accomplish in one year what it takes others two or three times as long to complete. The term varies from four to six years. A graduate must be able to give acceptably a recital in the chosen branch, besides passing examinations in harmony, and the history of music. Certificates are conferred upon graduates. On request, certificates are issued to those finishing a portion of the whole course. As the standard set in this department is that required by the best conservatories of the country, a certificate obtained under these conditions has a meaning.

A fee of five dollars is charged for the certificate.

Music Course.

Leading to a Certificate in Music.

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
Music lessons.....	2	Music lessons.....	2
Practice (6 hours).....	3	Practice (6 hours).....	3
English.....	4	English.....	4
United States History.....	3	Greek and Roman History.....	3
Arithmetic.....	3	Elective.....	3
Total hours.....	15	Total hours.....	15

FRESHMAN.	Hrs. per week.	SOPHOMORE.	Hrs. per week.
Music lessons	2	Music lessons	2
Practice (12 hours)	6	Practice (12 hours)	6
Elocution	4	German 1 or French 1	3
English 1	3	Italian 1	3
		Elective	1
Total hours	15	Total hours	15

JUNIOR.	Hrs. per week.	SENIOR.	Hrs. per week.
Music lessons (2 piano or vocal, 2 harmony)	4	Music lessons (2 piano or vocal, 2 harmony)	4
Practice (12 hours)	6	Practice (24 hours)	12
German 2 or French 2	3		
Elective	2	Total hours	16
Total hours	15		

Music students not desiring to graduate, but merely to accomplish a specified amount of musical work, may have a special course laid out, according to their individual needs. Certificates stating just what they have taken will be given them upon request.

List of Piano Music Used.

FIRST YEAR PREPARATORY.

Kroeger's Elementary Course in Pianoforte Playing op. 38.
Duvernay's Ecole Primaire.
Lœschhorn's Easy Studies.

SECOND YEAR PREPARATORY.

Ascher's Twenty-four Studies.
Lœschhorn's Easy Studies; op. 65.
Plaidy's Technical Studies.
Clementi's Sonatina in C; op. 36; No. 1.
Kuhlau's Sonatina in C; op. 20; No. 1.
Haydn's Andante, from "Surprise" Symphony (arranged by Sidus).
Chopin's Spring Waltz (op. posthume).
Schumann's Melody; op. 68.
Heller's Petite Tarantelle.
Goldner's Gavotte Mignonne.

FRESHMAN.

- ✓Bach's Twelve Little Preludes.
- Bertini's Studies; op. 29.
- Lœschhorn's Studies; op. 66.
- Czerney's Etudes de la Velocite.
- Beethoven's Sonatinas in G and G minor; op. 49.
- Behr's Gavotte Pompadour.
- Durand's Chaconne; op. 62.
- Haydn's Gypsy Rondo.
- Jungmann's Heimweh; op. 117.
- Moszkowski's Mazurka in G; op. 10; No. 3.
- Mozart's Sonata in C; No. 7.
- Schumann's Reverie (Traumerei); op. 15; No. 9.

SOPHOMORE.

- ✓Heller's Studies; op. 47, 46, 45.
- Cramer's Etudes (edited by Hans von Buelow), Books 1, 2.
- Bach's Two Part Inventions.
- ✓Bach's Gavotte, G Minor.
- Beethoven's Sonata in G; op. 14; No. 2.
- Chopin's Mazurkas in B Flat, C and F.
- Chopin's Preludes in E Minor, B Minor, and D.
- ✓Greig's Albumleaf in E Minor.
- Henselt's Morning Serenade.
- Kroeger's Greeting to Spring; op. 20; No. 2.
- Jensen's Happy Wanderer; op. 17; No. 2.

JUNIOR.

- Cramer's Etudes (edited by Hans von Buelow). Books 3, 4.
- Bach's Three Part Inventions.
- Taussig's Daily Studies.
- Kroeger's Humoresque, in E Major (Cradle Song); op. 9.
- Liszt's Consolations in E Major and D Flat.
- ✓Mendelssohn's Songs Without Words. Nos. 2, 4, 6, 9, 12, 35.
- Mozart's Sonata in A.
- Reinecke's Sonatina in D.
- Schubert's Impromptu in A Flat; op. 142.
- Schumann's Abendlied.
- Schumann's Warum?
- Seeling's Schilflied; op. 12.

SENIOR.

Clementi's Gradus ad Parnassum (Tausig).
 Kullak's Octave Studies (edited by E. R. Kroeger).
 Bach's Gavotte, D Minor.
 Beethoven's Sonatas.
 Chopin's Nocturnes; G Minor, B Major; F Minor.
 Chopin's Valses; E Flat, A Minor, F, C Sharp Minor.
 Chopin's Polonaise in A Major; op. 40; No. 1.
 Chopin's Prelude in D Flat.
 Jensen's Will o' the Wisp; op. 17.
 Kroeger's Humoresque in E Minor; op. 9; No. 1.
 Liszt's Serenade de Schubert.
 Liszt's Love's Dream, Nocturne.
 MacDowell's Shadow Dance.
 Moszkowski's Valse in A; op. 18; No. 1.
 Mozart's Fantasie and Sonata, C Minor.
 Raff's Abends; op. 55.
 Rheinberger's La Chasse; op. 5.
 Schubert's Four Impromptus; op. 90.
 Schumann's Romance in F Sharp; op. 28.
 Schumann's Hunting Song; op. 82; No. 5.
 Seeling's Barcarolle; op. 9.
 Tchaikowsky's Chant Sans Paroles; op. 2; No. 2.

List of Vocal Music Used.

FRESHMAN.

Marchesi's Individual Exercises.
 Panofka's Vocalises; op. 85.
 Studies for sight-reading and easy songs.
 Piano lessons for accompaniment playing.

SOPHOMORE.

Marchesi's Individual Exercises.
 Panofka's Vocalises; op. 81.
 Concone's Vocalises; op. 12.
 Studies for sight-reading and songs of second grade.
 Piano lessons for accompaniment.

JUNIOR.

Marchesi's Individual Exercises.

Sieber's Vocalises; op. 94.

Concone's lessons op. 17, and songs of some difficulty, including oratorio.

Harmony (Dr. Stainer's).

SENIOR.

Lamperti's studies in bravura.

Oratorio and operatic arias, and difficult songs in English, French, German and Italian.

Harmony completed.

History of Music.

ELOCUTION AND PHYSICAL CULTURE.

MRS. WILLIE VANDEVENTER-CROCKETT, *Instructor.*

I. Elocution.

1. The work comprehends all that relates to the study and the teaching of the fine art of public reading, the understanding of the relation of art to life; the study of the interpretative forms of literature and the careful training of all the faculties and agents necessary to the artistic translation of these forms back to life. The process of instruction founded upon recognized principles of art and life is revelatory and self-discovering, rather than arbitrary and academic.

The imagination is cultivated, the emotional nature is developed and controlled, and the will is strengthened by learning to follow a train of thought. The effects are naturalness, directness and repose.

2. Daily training in vocal expression, philosophy of expression, psychology of expressive movement (gesture), impersonation, public reading, oratory, drama, rendering of Shaksperian texts and caricature, study of literary masterpieces for interpretation, training of the speaking voice, the voice treated as an instrument. The object of the training is to free and develop this instrument and render it obedient and responsive to thought and emotion.

Lectures on the physiology and hygiene of the voice, and the relation of the vital organs to the vocal; the fundamental principles of voice production and its relations to the nervous system;

deep and rhythmic breathing; placing of tones; projection of tones; development of resonance, flexibility, freedom, smoothness, purity, power and brilliancy of tone; voice as an interpreter of mental states and its relation to imagination and feeling; overcoming individual defects in vocal organs; clear articulation and perfect enunciation.

3. *Oratory*.—A study and delivery of some of the great orations and the methods adopted by the leading orators; Bible and hymn reading; practice in the laws that govern universal art as applied to oratory and original speeches.

4. The chief aim of the work is to awaken the student; to free him from constrained, limited and erroneous habits of thought, action and voice; to open his avenues of impression; to quicken his imagination and to give him knowledge and control of his agents of expression; to lead the student into a knowledge and understanding of the interpretative forms of literature, the poem, the story, the oration, the caricature, the play; to develop his emotional response to his thought and to train him to control his emotions by his artistic judgment.

Text-books used are Townsend Southwick's *Elocution and Action, Steps to Oratory*; Genevieve Stebbins-Astley's *Physical Culture, Studies of Literary Masterpieces*, Shakspeare's plays.

II. Physical Culture.

1. *Gymnastics*. The aim of this work is to develop the body symmetrically, and to produce a normal condition as a basis for health and grace.

Work with gymnasium apparatus; drill with wands, dumb bells, bars, Indian clubs, "setting-up exercises," marches and fancy steps; gymnasium games, including basket ball; exercises adapted to overcome individual defects; rhythmic drills given to break lines of limitation and awkward appearance in the body.

The Delsarte system of physical culture and other systems, as the Swedish and the Ralston, are used as the individual needs of the pupils require.

2. *Gesture*. The principles of Delsarte are used. The mind is developed to think intelligently on a subject, thereby causing the body to respond properly as an aid to this expression. Right concepts are inculcated and proper physical drill is given to develop the whole body harmoniously. The aim sought in gesture

and bodily expression is truthfulness, completeness, unity, and intensity of expression with individuality and originality.

The pupils are taught to analyze all gestural movements and to detect any false movement and the psychological state that caused it. By this method, after the pupil is trained, false bodily expression in rendering is as impossible as false sound in vocal expression.

3. *Lectures.* These are given on etiquette, morals, manners, laws of hygiene, hygienic dress, æsthetic and artistic culture as revealed by nature and art, and the relationship of nature and art.

ART.

MISS FRANCES MCSWINE AND MRS. CORDELIA BAIRD, *Teachers.*

Branches Taught.

Drawing, oil, water color, and pastel; pen and ink, from still life, casts, and life; decorative art; wood carving; pyrography.

Regular Course.

FIRST YEAR.

Charcoal and pencil drawing from casts, still life and nature. Water color sketching from still life and nature.

SECOND YEAR.

Drawing from casts and life; painting in oil; pastel and water color from life and still life; and sketching out of doors in any medium.

THIRD AND FOURTH YEARS.

Drawing and painting in any medium from life, still life, and landscape; studies in composition.

A special course of free-hand drawing and water color has been arranged for students preparing for public school work.

Students wishing to study decorative oil alone are required to take a short course in drawing first. All students are required to read something of the history of art and artists, and as much as possible keep up with what is doing in the artistic world. A specialty is made of outdoor sketching. There will be a summer school in this line, beginning in April and lasting the entire summer.

College of Agriculture

Officers of Instruction and Administration.

JOHN NEWTON TILLMAN, B. L. L.,

President.

WILLIAM GEORGE VINCENHELLER, .321 Washington Ave.

Dean of the College of Agriculture, and Director of the Experiment Station.

ROBERT ROBSON DINWIDDIE, M. D., V. S. 728 W. Maple St.

Veterinary Science.

M. D., College of Physicians and Surgeons, St. Louis, 1896; Veterinary Surgeon, Ontario Veterinary College, 1886; Veterinarian to the Agricultural Experiment Station since 1887.

ERNEST WALKER, B. S. A. 524 Leverett St.

Professor of Horticulture.

B. S. A., Cornell University, 1897; Instructor in Horticulture, Cornell University, 1897; Assistant Professor of Horticulture, Clemson College, and Entomologist and Assistant Horticulturist of the South Carolina Experiment Station, 1897-1898; Professor of Entomology, Clemson College, and Entomologist of the South Carolina Experiment Station, 1898-1900; present position since 1900; State Entomologist, 1903-1905; member of the Society for Horticultural Science, and Association for the Promotion of Science; Secretary of the State Horticultural Society since 1900, State Vice-President of the American Pomological Society.

GEORGE ALBERT COLE, B. S., A. M. 763 W. Dickson St.

Professor of Agriculture.

B. S., Emory and Henry College, 1882; A. M., *ibid.*, 1892; Principal of Liberty Academy, Va., 1883-1885; Teacher, Poplar Grove, Ark., 1886-1889; Superintendent of Schools, Springdale, Ark., 1889-1891; Principal of the Jefferson School, Fayetteville, Ark., 1891-1892; First Assistant or Principal of the Preparatory School, University of Arkansas, 1892-1904; present position since June, 1904.

JOHN HENRY NORTON, B. Agr., B. S. 300 W. Center St.

Agricultural Chemistry.

B. Agr., Missouri State University, 1897; B. S., Missouri State University, 1899; Teacher of Chemistry, High School, Springfield, Mo., 1899-1901; Assistant Forest Expert, Bureau of Chemistry, United States Department of Agriculture, 1901-1903; Pure Food Chemist, North Dakota, 1903-1904; present position since 1904.

VICTOR ALBERT HOOPER, 518 Leverett St.

Dairy Husbandry.

Dairy Graduate, Ontario Agricultural College, 1901; Instructor, Dairy Husbandry, Ontario Agricultural College, 1902-1903; present position since 1904.

CHARLES FREDERICK ADAMS, B. Agr., A. M., M. D.,
Entomology. 305 W. Center St.

B. Agr., University of Missouri, 1897; A. M., University of Kansas, 1903; M. D., University of Kansas, 1902; Assistant in Entomology, University of Missouri, summer of 1897; Instructor in Histology and Pathology, Kansas City Medical College, 1900-1902; Professor of Histology and Bacteriology, Kansas City Dental College, 1900-1904; Snow Research Scholarship in Entomology, and Graduate Student, University of Kansas, 1902-1904; Assistant in Zoology, and Graduate Student, University of Chicago, 1904-1905; present position since 1905.

ROBERT WILLIAM WADE, B. S. A.....518 Leverett St.
Animal Husbandry.

B. S. A., University of Toronto, 1905; present position since 1905.

JOSEPH LEE HEWITT, B. S. in Agr.....2 Duncan St.
Horticulture.

B. S. in Agr., University of Missouri, 1905; present position since 1905.

Instruction in the College of Agriculture is divided into the following departments:

1. Department of Agricultural Chemistry.
2. Department of Agronomy.
3. Department of Animal Husbandry.
4. Department of Dairy Husbandry.
5. Department of Entomology.
6. Department of Horticulture.
7. Department of Veterinary Science.

The College of Agriculture, while distinct from the other divisions of the University in its buildings and equipment, is closely correlated in its work.

In addition to the regular classes in the College of Agriculture, the students will be admitted to the library, museum, laboratories, and to all lectures and instruction of the University, and to all other rights and privileges granted to other students.

When the new buildings, now in the course of construction, are completed there will be provided in them lecture rooms and laboratories, which will add greatly to the facilities for instruction.

Three courses in agricultural work are offered, all of them including subjects in agronomy, animal husbandry, dairying, entomology, horticulture and veterinary science. They are:

1. THE COLLEGIATE COURSE of four years, leading to the degree, Bachelor of Science in Agriculture. It is designed to give the

student a broad education in the sciences and arts related to agriculture. The work for the first two years is prescribed, the subjects being so chosen as to offer a good foundation for the more specialized work of the Junior and Senior years. Two-fifths of the entire course is elective, so it permits high specialization in any of the several branches of agriculture, and at the same time makes possible the selection of a well-rounded college course.

This course is described in detail on pp. 140-1.

2. A SPECIAL COURSE of two years leading to a certificate. This is made up of the most practical of the subjects offered in the four-year course. Necessarily, it does not offer so great opportunities for special work, nor so broad an education, still, it does offer a thoroughly practical and comprehensive treatment of the most important phases of scientific farming.

This course is outlined on page 147.

3. A SHORT WINTER COURSE of two weeks, consisting of a series of lectures with practical demonstrations on subjects of live interest to the practical farmer. This does not lead to any degree or diploma, and is essentially a course for the busy man who can spare but a few weeks in each year.

This course is more fully described on pp. 148-9.

THE COLLEGIATE COURSE IN AGRICULTURE.

For the requirements for admission, see pp. 42-3.

The following outline shows, in the work of the first two years and part of the third, the basis on which specialization in the third and fourth is to rest. At the beginning of the Junior year each student must choose his specialty, and *elective studies can be taken only with the consent of the instructor under whose charge this subject is given.*

FRESHMAN YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
English, (1), T. Th. F. 2.....	3	English, (1), T. Th. F. 2.....	3
Chemistry, (1), M. W. 3, F. 6 & 7	3	Chemistry, (1), M. W. 3, F. 6 & 7	3
Biology, (1), M. 7, Th. S. 3 & 4..	3	Biology, (1), M. 7, Th. S. 3 & 4..	3
Horticulture, (1a), T. F. 3, Th. 6		Horticulture, (1b), T. F. 3, Th. 6	
and 7	3	and 7	3
Animal Husbandry, (1a), W. 1.	1	Animal Husbandry, (1b), W. 1..	1
Agronomy, (1a), M. W. F. 4....	3	Agronomy, (1b), M. W. F. 4....	3
Drill, M. T. W. 8.....		Drill, M. T. W. 8.....	

SOPHOMORE YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
Dairying, (2a), M. T. 1, 6 & 7...	4	Drawing, (2a), M. T. 6 & 7....	2
Entomology, (1a), W. Th. 1, 6 & 7	4	Trigonometry, (1b), M. W. F. 4.	3
Physics, (1), M. W. F. 3.....	3	Physics, (1), M. W. F. 3.....	3
Animal Husbandry, (2a), F. 1..	1	Animal Husbandry, (2b), T. 3...	1
Agronomy, (2), T. Th. 2.....	2	Agronomy (2b), T. Th. 2.....	2
Horticulture (3a), M. W. 2.....	2	Shop Work, (1a) W. Th. 6 & 7..	2
Drill, M. T. W. 8.....	.....	Elective.....	3
		Drill, M. T. W. 8.....	.....

JUNIOR YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
Geology, (6), M. W. F. 3.....	3	Soil Physics, M. W. F. 6 & 7....	3
Veterinary Science, (3a), T. Th. 1	2	Veterinary Science, (3b), T. Th. 1	2
Veterinary Clinic, S. 2 & 3.....	1	Veterinary Clinic, S. 2 & 3).....	1
Surveying, (2 & 3) M. W. 3. Th. 5-8	3	Elective.....	9
Elective.....	6		

SENIOR YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
Elective.....	15	Elective.....	15

THE COURSES IN DETAIL.

It is provided that subjects offered below but not prescribed in the above outline may be withdrawn unless four or more students enroll for it.

Subjects having the letter (a) following the number are offered only in the fall term, those with the letter (b) only in the spring term, and those with no such letter extend throughout the year.

AGRONOMY.

G. A. COLE, *Professor of Agriculture.*

1. (a) SOILS.—Their origin, classification, properties, relation to animal and plant production; tillage in its relation to available plant food; tillage implements and operations; drainage; irrigation. Three hours. M. W. F. 4. *Required of Freshmen.*

(b) MANURES, FERTILIZERS AND FARM CROPS.—Farm manures; proper methods of handling and saving; the composition and value and application of farmyard manure. Fertilizers: Classification; fertilizers used chiefly as sources of nitrogen; fertilizers used chiefly as sources of phosphoric acid, the nature and general composition of phosphates, the selection of phosphoric acid fertilizers; fertilizers used chiefly as sources of potash; complete fertilizers; indirect fertilizers and their effects. Farm crops: Classification; crop rotation, systems of rotation, benefits of rotation. Three hours. M. W. F. 4. *Required of Freshmen.*

2. (a) FARM CROPS.—Seed propagation; planting; the plant and the functions of its parts; mowing and pastures; perennial grasses; clovers and alfalfa; corn and cotton; methods of cultivation; rotation best adapted to the state; grain judging. Two hours. T. Th. 2. *Required of Sophomores.*

(b) FARM BUILDINGS, MACHINERY AND TOOLS.—Location, construction and management of stables, barns, silos, roads and fences; farm machinery and tools; water supply. Two hours. T. Th. 2. *Required of Sophomores.*

3. (a) RURAL ECONOMY.—General farm management; labor; marketing; transportation—a study of the value of lands; the existing conditions of the agricultural industry, the possibilities and advantages of farm life. Two hours. Elective.

(b) EXPERIMENTS.—Records and discussions of experiments conducted by the experiment stations. Two hours. Elective.

4. (a) IRRIGATION AND DRAINAGE.—The subject will be treated from the farmers', fruitgrowers' and gardeners' standpoints. Three hours. Elective.

(b) DRAINAGE.—This is a continuation of course 4 (a) with practice in laying out drains, fixing the grade; maps and records; road drainage; estimates of costs; benefits and profits of land drainage. Three hours. Elective.

AGRICULTURAL CHEMISTRY.

J. H. NORTON.

1. (b) SOIL PHYSICS.—This course is meant as a continuation of the course in geology and will consist principally of laboratory work on the mechanical analysis of soils, soil temperature

and the movement of soil moisture. Three hours. M. W. F. 6 and 7. *Required of Juniors.*

2. AGRICULTURAL CHEMISTRY.—*Prerequisites: Chemistry 1, 3a, 5.* This will consist principally of laboratory work on fertilizers, foods and feeding stuffs, dairy products and soils. Six hours. *Elective, throughout the year.*

ANIMAL HUSBANDRY.

R. W. WADE.

1. (a) The judging of cattle, horses, swine and poultry. One hour. W. 1. *Required of Freshmen.*

(b) The care and management of live stock. One hour. W. 1. *Required of Freshmen.*

2. (a) The study of breeds. One hour. F. 1. *Required of Sophomores.*

(b) Beef, mutton and pork production. One hour. T. 3. *Required of Sophomores.*

3. (a) The principles of breeding and the judging of farm animals. Two hours. Elective.

(b) Principles of feeding. Two hours. Elective.

4. (a) The judging of live stock and the study of breeds and pedigrees. Two hours. Elective.

(b) Feeds and feeding. Two hours. Elective.

DAIRYING.

V. A. HOOPER.

1. ELEMENTARY DAIRYING.—This course is very practical in nature and is designed especially to meet the needs of the student entering in the two-year course in agriculture. It will consist of two laboratory periods and one recitation period per week. Laboratory periods and recitation will treat of the secretion and composition of milk, the Babcock test, the application of the lactometer, separation of milk by gravity and by centrifugal force, butter making in farm dairies, cream ripening. Three hours. M. 2; M. W. 3 and 4. *Required in the two-year course.*

2. (a) FARM DAIRYING.—This course consists of two laboratory and two recitation periods per week. The work will be

along the line of that offered in course 1, but will be more advanced and will give the student a working knowledge of dairying in general. Four hours. M. T. 1, 6 and 7. *Required of Sophomores.*

3. (b) BUTTER MAKING.—Two recitation periods and two laboratory periods per week. Advanced work in butter-making treating of factory conditions will be given. Four hours. Elective in the Junior year. Must be preceded by 2a.

4. (a) CHEESE MAKING.—Two recitation periods and three laboratory periods per week. The laboratory work takes up the manufacture of Cheddar cheese and the recitations deal with the manufacture of Cheddar and fancy cheeses. Five hours. Elective in the Junior year. Must be preceded by course 2 (a).

ENTOMOLOGY.

C. F. ADAMS.

1. (a) GENERAL ENTOMOLOGY.—Lectures and laboratory work on anatomy, physiology, metamorphosis, classification and habits of insects. Special attention is given to the economic relation of insects to agriculture and horticulture. Inspection and methods of control, including machines and insecticides, are considered. Two recitations and four hours laboratory per week. W. Th. 1, 6 and 7. Four hours. *Required of Sophomores.*

2. (a) ADVANCED ENTOMOLOGY.—A course in insect morphology. Lectures and laboratory work on gross and minute anatomy, physiology, embryology and neurology. Must be preceded by course 1. Three hours. Elective.

3. SYSTEMATIC ENTOMOLOGY.—Mostly laboratory work on classification of the Hexapods. Course 1 is required and course 2 is desirable as prerequisite. The nature of the work will depend somewhat on the preparation of the student. He will be given the privilege of selecting any group for special study. Three hours. Elective.

4. ADVANCED ECONOMIC ENTOMOLOGY.—Mostly laboratory work on beneficial and injurious insects. The student is expected to make use of the available literature in his studies of the various economic problems. Three hours. Elective.

5. (b) INSECT BIONOMICS.—Lectures and demonstrations on variations, distribution, dimorphism, mimicry, development of

color patterns, ecology and phylogeny of insects. Must be preceded by courses 1 and 2. Three hours. Elective.

6. RESEARCH.—Work given for the special student. After he has selected his special problem the student is expected to carry on his studies under the direction only of the head of the department. *Prerequisites* depend on the nature of the problem. Three hours. Elective.

HORTICULTURE.

E. WALKER, *Professor.*

J. L. HEWITT, *Assistant Horticulturist.*

1. (a) PHYSIOLOGY OF PLANTS.—A study of the subject from the horticultural standpoint. Three hours. T. Th. F. 3. *Required of Freshmen.*

(b) PRINCIPLES OF PLANT BREEDING.—Environment; variation; heredity; cross pollination; selection; improved varieties; evolution of fruits and vegetables. Three hours. T. Th. F. 3. *Required of Freshmen.*

2. (a) HORTICULTURAL STRUCTURES AND CONVENIENCES.—Hot-beds; cold-frames; pits; greenhouses—materials, construction, heating, ventilation, management; implements. Two hours. T. Th. 4. Elective.

(b) PROPAGATION OF PLANTS.—The various methods by which plants are multiplied; spores, seeds, cuttings, budding, grafting; transplanting. Two hours. T. Th. 4. Elective.

3. (a) FRUIT CULTURE.—Orcharding; viticulture; small fruits, with reference to kind and varieties best adapted to the state; cultivation; marketing; insects and diseases, spraying and other methods of control. Two hours. M. W. 2. *Required of Sophomores.*

(b) VEGETABLE GARDENING.—Studies in the growing of the principal vegetables adapted to the state, for home use and market; insects; diseases. Two hours. M. W. 2. Elective.

4. SPECIAL WORK AND PRACTICE.—Technical study and handicraft for advanced students. The work will be arranged to suit the needs of the students. Two hours. Elective.

5. (a) HORTICULTURAL LITERATURE.—One hour. Elective.

(b) SPECIAL STUDIES AND REPORTS.—This, with 5 (a), is intended to supplement 4. It is recommended that it be taken only in connection with 4. One hour. Elective.

6. (a) FORESTRY.—An elementary course of lectures, either for a general knowledge of the subject or as an introduction to more advanced work. Two hours. Elective.

(b) DECORATIVE GARDENING.—A general consideration of the subject from the standpoint of its bearing on the home grounds. For more technical work 4 may be taken. Two hours. Elective.

7. (a) FORCING OF VEGETABLES AND FLOWERS.—Two hours. Elective.

(b) COMMERCIAL POMOLOGY.—A study of markets and marketing of fruits; transportation, packing, accounting. Two hours. Elective.

8. EXPERIMENT STATION WORK.—To give something of an insight into experiment station methods. Hours to be arranged. Elective.

NOTE.—Two hours of work in the spring term of the sophomore year and the equivalent of three hours throughout the junior and senior years, all chosen from the foregoing subjects, will be required of students making horticulture their specialty.

9. (a) GENERAL HORTICULTURE.—This is an abridgement of several of the above courses and is intended for candidates for the L. I. certificate. It may be elected by others outside of the College of Agriculture. Two hours.

VETERINARY SCIENCE.

R. R. DINWIDDIE.

3. The course will include so much of the essential branches of veterinary science as can be usefully acquired and applied by students in agriculture. It will consist of lectures, recitations, and practical exercises throughout the Junior year. Three hours. *Required of Juniors.*

(a) Anatomy and physiology of the domesticated animals; hygiene and the prevention of disease in farm animals; general veterinary pathology; prevention and control of contagious stock diseases. T. Th. 1.

(b) Special veterinary pathology; individual diseases and their treatment; minor surgical operations. T. Th. 1.

CLINICS.—The weekly demonstration on animals brought for free treatment. S. 2, 3.

4. (a) BACTERIOLOGY.—In relation to disease and agriculture. One hour. Elective in the Senior year.

SPECIAL COURSE.

This course, as pointed out before, is practical in its nature, and is made up largely of work chosen from the longer course with this point in view. It is prescribed with the exception of four hours in the second term of the second year. *Students will be admitted at the discretion of the professor in charge of classification*, and will be classified as special students in agriculture. This course can be made to take the place, in part, of the first two years of the longer course, by students who, after a year or two years in it, may wish to make that change. However, students making this change must fulfill all the requirements of the four-year course. It is advised, and it will be economy of time, to enter the long course at the beginning, if possible.

The following is an outline of the two years' course:

FIRST YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
Agriculture, T. Th., 1.....	2	Agriculture, M. 1, W. 2.....	2
Animal Husbandry (1a), W. 1..	1	Animal Husbandry (1b) W. 1...	1
English, T. Th. F. 2.....	3	English, T. Th. F., 2.....	3
Dairying (1) M. 2, M. W. 3 and 4	3	Dairying (1), M. 2, M. W. 3 and 4	3
Horticulture, T. F. 3, Th. 6 and 7	3	Horticulture, T. F. 3, Th. 6 and 7.	3
Drawing (2a), M. W. 6 and 7...	2	Drawing, M. W. 6 and 7.....	3
Shop Work (1a), T. F. 6 and 7...	2	Shop Work, T. F. 6 and 7.....	2
Drill, M. T. W., 8.....	.....	Drill, M. T. W., 8.....	.....

SECOND YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
Agriculture, M. 1, T. 3.....	2	Agriculture, T. Th., 4.....	2
Animal Husbandry (2a), F. 1...	1	Animal Husbandry (2b), T. 3...	1
Chemistry (1), M. W. 4, F. 6	3	Chemistry (1), M. W. 4, F. 6, 7...	3
and 7.....	3	Veterinary Science, W. F., 1...	2
Horticulture, T. Th. F., 2.....	3	Veterinary Clinic, S. 2 and 3....	1
Physics (1), M. W. F., 3.....	3	Physics (1) M. W. F., 3.....	3
Entomology, W. Th. 1, 6 and 7...	4	Elective.....	4
Drill, M. T. W. 8.....	.....	Drill, M. T. W., 8.....	.....

SHORT WINTER COURSE.

This course has been established in response to a demand for instruction in agriculture adapted to men who, for one reason or another, can not attend the regular courses during the entire year. By means of it men of mature years who have the care of their farms on their hands, will be enabled to receive instruction of a practical nature on agricultural subjects that are live and up to date. Many young men, too, who are needed on the farm during the season of active work, can get an insight into what the State University is doing in the way of agricultural education, and at the same time gain sound knowledge on the subject of farming. The work is, if possible, more purely practical than either of the longer courses. And the fact that the students entering this short winter course will come without preparation in the scientific branches, makes it necessary that the instruction be such as will find everyday application on the farm. The broader scientific principles prominent in the other courses must be omitted, or so narrowed as to apply to the matter in hand. The lectures offered will be on subjects that are live in the agricultural world and demand discussion. In this way the work will change from year to year and it will be profitable to attend the course more than once. It is hoped also that some who take this course will see their way clear to enter the longer course and get more thorough training than is possible to offer in two weeks.

There are no entrance requirements other than that the students shall be over sixteen years of age, of good character and earnestly desirous of gaining information. The subjects offered will embrace the following in the different lines of agriculture:

AGRICULTURE.—The lectures in agriculture will include these subjects:

- (a) Farm crops.
- (b) Soils, culture and rotation of crops.
- (c) Grasses and clovers.
- (d) Fertilizers, their uses and application.
- (e) Live stock, breeds, breeding and feeding.
- (f) Stock and grain judging.

DAIRYING.—The lectures and practical work in dairying will include these subjects:

- (a) Separating milk.
- (b) Milk testing.
- (c) Buttermaking.
- (d) The care and management of the dairy herd.
- (e) Judging dairy cows.

HORTICULTURE.—The lectures in horticulture will include these subjects:

- (a) Principles of plant growth.
- (b) Propagation of plants, pruning, grafting, etc.
- (c) Planting and care of orchards.
- (d) Insect and fungus diseases of plants.
- (e) Spraying and cultivation.

Aside from the above there will be lectures on timely subjects, and whenever possible special lectures by specialists and experts outside of the experiment station staff.

TIME.—The short winter course will begin on the second Monday in January and will continue for two weeks.

Full details of this course will be given in a special circular which will be ready for distribution in June, 1906, and will be sent free upon application to the Director of the Experiment Station.

The Agricultural Experiment Station

Fayetteville.

WILLIAM GEORGE VINCENHELLER,
Director.

ROBERT ROBSON DINWIDDIE M. D., V. S.,
Pathologist and Bacteriologist.

ERNEST WALKER, B. S. A.,
Horticulturist.

JOHN HENRY NORTON, B. Agr., B. S.,
Chemist.

VICTOR ALBERT HOOPER,
Dairy Husbandman.

CHARLES FREDERICK ADAMS, B. Agr., A. M., M. D.,
Entomologist.

ROBERT WILLIAM WADE, B. S. A.,
Agriculturist.

JOSEPH LEE HEWITT, B. S. in Agr.,
Assistant in Horticulture.

The office of the Director of the Experiment Station is in the new Agriculture Building, a brick structure of two stories and basement recently built to be the home of the College of Agriculture. It has a well-lighted laboratory room in the basement, four large lecture rooms on the first floor and a library and the offices of the director on the second floor. It is well arranged for its purpose and will serve admirably until the growth of the college demands more room. The offices of the other members of the Experiment Station staff are in two buildings devoted especially to them, a single story brick building of eleven rooms and another of four rooms. The experimental work is carried on on a farm

of somewhat more than a hundred and twenty acres just west of the college. The experiment grounds are open to students in the College of Agriculture and form an excellent means of illustrating the practical parts of the courses in the college work. The grounds are also open to visitors, except where the admission of the public would interfere with the experimental work. It is the policy of the Experiment Station to supplement the work of the College as far as possible. In fact the Experiment Station and the College of Agriculture are closely interwoven and the work of the two is to the same end—the benefit of the farm interests of the state through the dissemination of a more thorough knowledge of modern agricultural methods. The personnel of the two is largely the same also.

The agricultural division of the Experiment Station has in its barns horses, mules, hogs, and poultry which, with the cattle of the dairy division, afford the opportunity for study and experimentation in care and feeding of these animals for the best results. On the farm experiments are carried on with grains and forage crops and other field crops to determine the comparative value of varieties, the best methods of culture, and the best care for the farm in general.

The dairy division has a new two-story stone building which has rooms devoted to the use of the college and the station dairy. The dairy is managed so as to furnish an example of the modern commercial dairy. The dairy herd of cattle furnishes means for experiments in feeding, etc. Their product, together with some milk bought locally, furnishes material for experiments with dairy products. Students are given practical instruction in dairy methods.

The horticultural division has a greenhouse, a small hothouse, hotbeds, etc., which serve as means for carrying on experiments in forcing. The orchard and grounds contain many varieties of apples, peaches, pears, plums, cherries, and small fruits which serve as material for experiments with varieties, methods of culture, pruning, and spraying. Also experiments are carried on with garden vegetables.

The other divisions have the necessary laboratories and equipment to carry on their work in the buildings and grounds of the Experiment Station.

The bulletins of the Experiment Station can be had by addressing the *Director of the Experiment Station, Fayetteville, Ark.*

The Medical School

Little Rock.

JOHN NEWTON TILLMAN, B. L. L.,
President.

CLEBURNE WATKINS, M. D.,
Emeritus Professor of Medicine.

EDWIN BENTLEY, M. D., U. S. A. (Retired),
*Professor of the Principles and Practice of Surgery, and
President of the Faculty.*

JAMES HORACE LENOW, M. D.,
Professor of the Diseases of Genito-Urinary Organs.

LOUIS RAOUL STARK, M. D.,
Professor of Gynecology.

EDWIN RICHARD DIBRELL, M D.,
Professor of Medicine.

FRANK VINSONHALER, M. D.,
Professor of Ophthalmology and Otology.

THOMAS NEEDHAM ROBERTSON, A. B., LL. B.,
Professor of Medical Chemistry and Toxicology.

WILLIAM HAMILTON MILLER, M. D.,
Professor of Obstetrics.

FRANK LUCAS FRENCH, M. D.,
*Professor of General Descriptive and Surgical Anatomy,
and Secretary of the Faculty.*

CARLE EDWIN BENTLEY, M. D.,
Professor of Clinical Surgery and Dermatology.

JOHN R. DIBRELL, M. D.,
Professor of Surgical Pathology and Bacteriology.

WILLIAM CONNOR DUNAWAY, M. D.,
Demonstrator of Anatomy.

ANDERSON WATKINS, M. D.,
*Professor of Physiology, and Assistant in Clinical Surgery
and Dermatology.*

- CALEB ERVIN WITT, M. D.,
Professor of Materia Medica, Therapeutics, Hygiene and Botany.
- EDGAR EUGENE MOSS, A. M., LL. B.,
Professor of Legal Medicine.
- REZIN WRIGHT LINDSEY, M. D.,
Lecturer and Clinical Instructor in the Practice of Medicine.
- WILLIAM PAUL ILLING, M. D.,
Lecturer and Clinical Instructor in Diseases of the Nervous System.
- MORGAN SMITH, M. D.,
Lecturer and Clinical Instructor in the Diseases of Children.
- ROBERT LEE RUSSELL, M. D.,
Lecturer and Clinical Instructor in the Practice of Medicine.
- WILLIAM ANDERSON SNODGRASS, M. D.,
Assistant in Gynecology.
- JOHN GIBSON WATKINS, M. D.,
Assistant in Otology and Ophthalmology.
- ARTHUR RIECE STOVER, M. D.,
Assistant in Clinical Medicine.
- JAMES CLAUDE CUNNINGHAM, M. D.,
Assistant in Obstetrics.
- J. L. DIBRELL, M. D.,
Assistant in Pathology and Bacteriology.
- ARTHUR ELIAS SWEATLAND, M. D.,
Assistant Demonstrator of Anatomy.
- AARON LEE CARMICHAEL, M. D.,
Assistant Demonstrator of Anatomy.
- OSCAR GRAY, M. D.,
Assistant Demonstrator of Anatomy.
- MAHLON DICKERSON OGDEN, M. D.,
Assistant Demonstrator of Anatomy.
- WASHINGTON McRAE, Ph. G.,
Instructor in the Chemical Laboratory.
- WILLIAM GOODWIN, M. D.,
ORANGE KING JUDD, M. D.,
Prosectors of Anatomy.

Twenty-Eighth Annual Announcement

Of the Medical School of the University of Arkansas.

The regular course of lectures will begin on Monday, October 15, 1906, and continue until April 13, 1907.

Lectures will be delivered daily during the six days of each week.

The matriculation book will be open from and after September 1 to students desiring to matriculate early and secure choice of seats.

In making this annual announcement the faculty feels great satisfaction in referring to the continued success and prosperity of the medical department. The cordial indorsement of the Arkansas Medical Society, and the generous influence of the medical profession throughout the state, are highly appreciated and encourage the members of the faculty to continue the arduous labors which they have so long and zealously maintained.

FOUR YEARS' GRADED COURSE.

The advanced stand taken by the faculty in adopting the four years' graded course as required by the Association of American Medical Colleges, seems to be appreciated by members of the medical profession, and students as well, as is shown by the number and higher educational standing of students since its adoption.

MATRICULATION.

In conformity with the rules and regulations of the Association of American Medical Colleges, students on matriculating are required to present (a) credentials showing that they are matriculates or graduates of recognized colleges of literature, science or arts, of high schools, academies, normal schools or equivalent schools, or (b) teachers' certificates.

Graduates and matriculates in medicine, dentistry or pharmacy, on presenting proper credentials, are exempt from the entrance examination.

To avoid delay, students entitled to matriculate without examination are requested to bring their certificates with them and present them on arrival at the college.

Students not entitled to exemption, as hereinbefore provided, are required to pass an entrance examination, with the following requirements: The writing of an English composition of not less than two hundred words; the translation of easy Latin prose; a knowledge of the elements of arithmetic or algebra and of elementary physics.

Students who may be unsuccessful on their entrance examinations, or any subject or subjects, are allowed one year to qualify themselves; they may register and pursue their studies one year, but they can not begin the studies of the second year until they have passed the required entrance examination.

These examinations are reasonable, their only object being to ascertain whether students are sufficiently educated to profit by medical study.

Students who have the entrance requirements will be entitled to additional credit for time on the four years' course, as follows:

(a) To students having the A. B., B. S., or equivalent degrees from reputable literary colleges, one year of time. (b) To graduates and students of colleges of homœopathic or eclectic medicine, as many years as they attended those colleges, provided they have met the previous requirements of this school and passed an examination in materia medica and therapeutics. (c) To graduates of reputable colleges of dentistry, pharmacy and veterinary medicine, one year of time.

CURRICULUM.

FIRST YEAR.—Anatomy, Practical Anatomy, Physiology, Chemistry, Physics, Histology, Medical Ethics and Materia Medica.

SECOND YEAR.—Anatomy, Practical Anatomy, Physiology, Chemistry, Materia Medica, Pathology, Obstetrics.

THIRD YEAR.—Materia Medica and Therapeutics, Toxicology. Obstetrics and Diseases of Children, Physical Diagnosis, Diseases of the Eye and Ear, Practice of Medicine, Surgery.

FOURTH YEAR.—Review of all branches—Practice of Medicine, Surgery, Dermatology, Gynecology, Bacteriology, Urinology, Venereal Diseases, Diseases of the Nervous System, Medical Jurisprudence.

Students are required to stand an examination each year before being advanced.

LOCATION.

The city of Little Rock is conveniently situated in the center of the state, and railroads enter from every direction, making it easily accessible.

It has a population of more than sixty thousand, and has always been classed as one of the healthiest cities west of the Mississippi River. Few places can boast of better educational facilities than Little Rock. All of the eleemosynary institutions of the state are located here. These are the school for the blind, the deaf mute institute and the insane asylum.

MEDICAL SCHOOL BUILDING.

The new structure is an imposing edifice, three stories in height, constructed of brick, and admirably arranged for the convenience of both students and instructors.

It has a large lecture hall, a fine amphitheater with chairs, a library, a reading room, a museum, several dissecting rooms, all well lighted and ventilated. In fact, it is designed to be a modern and model medical college building. It is situated on Second and Sherman Streets.

HOSPITALS.

By the munificence of the late Colonel Logan H. Roots, and the benevolence of his widow, the city of Little Rock possesses the elegant Logan H. Roots Memorial Hospital. The medical department of the University is fortunate in having this hospital situated on lots adjoining and directly connected with its own building, thus giving greatly increased clinical facilities.

St. Vincent's Infirmary, designed solely for the treatment of acute diseases, has a capacity of nearly a hundred beds. This hospital is splendidly equipped and furnished with modern conveniences and improvements, is in the very best sanitary condition, and under the supervision and management of trained nurses, sisters of charity. This magnificent institution, conveniently situated, is the finest and best equipped institution of its kind in the Southwest, and is up to date in every respect.

The Pulaski County Hospital, erected at a cost of some thirty thousand dollars, is a handsome brick structure, well arranged, complete in all its equipments, and has a capacity of two hundred beds.

Victims of railway accidents, marine patients, and the sick and injured of the city, county and state find in these hospitals shelter, food, raiment and that Christian attention so cheering and comforting in sickness and distress. The inmates of these different institutions embrace all classes and conditions of people—white, colored, male, female, adults and children. Among them is found almost every form of malady, except quarantinable diseases, which are otherwise provided for.

THE ISAAC FOLSOM CLINIC.

This clinic is thus designated in honor of the late Dr. Folsom, and in consideration of his liberal endowment with the sum of twenty thousand dollars. The daily instruction in this clinic is thoroughly practical, and is attended by a large number of outdoor patients from the city and surrounding country. It embraces a wide range of diseases and injuries. More than six thousand patients were in attendance last year.

METHODS OF TEACHING.

Instruction will be given by didactic and clinical lectures, practical work in the dissecting room, chemical and physiological laboratories, and by daily quizzes on the subject of preceding lectures.

When the subject will permit of it, each branch will be so illustrated by means of diagrams, charts, models and instruments as to address the understanding of the student through the medium of sight as well as hearing.

TEXT-BOOKS.

The faculty recommends one or the other of the following text-books in the several departments:

Surgery—Da Costa, Warren & Gould, Dennis' System, Wharton & Curtis; Orthopedic Surgery—Whitten, Moore; Operative Surgery—Stimson, Wharton, Bickham, Bennie; Materia Medica and Therapeutics—Hare, Butler, Potter; Theory and Practice—Anders, Tyson, Osler, Hare; Diagnosis—Musser, Simon, Tyson, Wood, Boston; Anatomy—Gray, Eckley Dissector; Physiology—Kirk, Stewart; Histology—Dunham, Baum, Davidhoff & Huber; Bacteriology—Abbot, Park, Williams, Gorhams; Pathology—Green, Mallory & Wright, Delafield; Chemistry—Simon's Manual of Chemistry, Rockwood's Chemical Analysis for Medical Students, Reese's Manual of Toxicology; Obstetrics—Hirst, Edgar, Kings, Garrigues; Diseases of Women—Mont-

gomy, Ashton, Hirst; Diseases of Children—Holt, Tuttle, Taylor & Wells, Graetzer; Diseases of the Eye—Swanzy, Jackson, Hansell & Sweet; Diseases of the Ear, Throat and Nose—Bacon, Burnett, Coakley, Kyle, Knight; Genito-Urinary Organs—Morton, Taylor, White & Martin; Dermatology—Jackson, Croker, Shoemaker; Botany—Gray; Dictionary—Dunglison, Goulds, Dorland; Hygiene—Harrington, Bergey; Rectum—Gant, Tuttle.

EXPENSE OF LIVING.

The expense of living in the city of Little Rock will, of course, vary according to the views and habits of the students. Good board, at the present time, including lodging, fuel and lights, may be had at a convenient distance from the college, at from four dollars to six dollars per week, and from thirteen dollars to eighteen dollars per month.

Students on their arrival are requested to visit the University building at the corner of Second and Sherman Streets, where a list of persons desiring to board medical students will be found.

Persons desiring further information are requested to address the secretary of the faculty.

REQUISITES FOR GRADUATION.

Each candidate for graduation must produce satisfactory evidence of good moral character, and of having attained the age of twenty-one years. No candidate shall be eligible for final examination for graduation unless he files the proper official evidence that he has matriculated at some regular college for four sessions, and in the course of the same has attended four full courses of instruction in anatomy (including dissections), physiology, chemistry, materia medica, therapeutics, obstetrics, surgery, pathology, bacteriology and practice of medicine. The last of the four full courses must be attended at the Medical School of the University of Arkansas. No four consecutive courses of instruction shall be held as satisfying these requirements unless the time between the beginning of the first course and the end of the fourth is greater than forty-two months. The candidate must have paid all the college fees. He must present to the secretary before the first of March the amount of his graduation fee. In case of failure to pass a satisfactory examination the money will be refunded.

FEES.

Table of fees for every year of the four-year course:

	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
Matriculation.....	\$ 5 00	.....	.....	.....
Professors, lectures, etc.....	60 00	\$60 00	\$60 00	\$60 00
Graduation, diploma, etc.....	.....	.....	.....	25 00
Total	\$65 00	\$60 00	\$60 00	\$85 00

There are no fees for special courses or quizzes in this college. No professor or assistant is allowed to receive a fee for instruction. No extra charge will be made for dissecting material, demonstrator's or hospital tickets. No variation is made, under any circumstances, from the established fees of the school, they having been placed originally at the very lowest figure commensurate with the interests of both student and school.

Law School of the University of Arkansas

JOHN NEWTON TILLMAN, B. L. L.,
President.

Faculty.

JOHN HUGH CARMICHAEL, LL. B., DEAN,
*Contracts, Domestic Relations, Judgments, Constitutional
Law, Conflict of Laws.*

JOHN FLETCHER, LL. M.,
Real Property.

GEORGE WASHINGTON MURPHY, LL. B.,
Law of Evidence.

TOM M. MEHAFFY, LL. B.,
Law of Torts.

EDWARD WADSWORTH WINFIELD, LL. B.,
Law of Bailments.

JESSE C. HART, LL. B.,
Equity Jurisprudence.

LEWIS RHOTON, LL. B.,
Criminal Law, Practice and Procedure.

THOMAS NEEDHAM ROBERTSON, LL. B., SECRETARY,
*Agency, Negotiable Instruments, Pleading and Practice,
Insurance.*

THOMAS EDWARD HELM, LL. B.,
Fraudulent Conveyances.

AUGUSTUS MARION FULK, LL. B.,
Law of Corporations.

R. E. WILEY, LL. B.,
Bankrupt Law.

WILLIAM BURT BROOKS, LL. B.,
Law of Partnership.

Lecturers.

U. S. SENATOR JAMES P. CLARK.

JUDGE JACOB TRIEBER.

MORRIS MATTHIAS COHN.

JAMES HARWOOD HARROD.

GEORGE B. ROSE.

Course of Instruction.

The course of instruction covers a period of two years, consisting of four terms. A shorter period is deemed insufficient for the proper preparation of the student of the law for his profession. In the language of a distinguished jurist, "He who is not a good lawyer when he comes to the bar will seldom be one afterwards." The method of instruction consists of daily recitations upon previously assigned lessons in the text-books, with special lectures to emphasize the conclusions of the author and to enlarge the student's conception of them. The system of instruction, with daily recitations largely predominating, is regarded as superior to either the recitation or lecture system when pursued alone. In addition, students are required to prepare and submit to the professors legal papers in the form of briefs upon the various topics of the text-writers, thus combining the abstract theory of the law with its practical application to the different sets of facts embraced in the various decisions of the courts consulted by the student in preparing his paper. The course of study for the two years will embrace the subjects named and assigned, as follows:

JUNIOR YEAR.

FIRST TERM.—Contracts, Agency, Commercial Paper, Torts, Bailment.

SECOND TERM.—Criminal Law, Evidence, Pleading, Insurance, Partnership.

SENIOR YEAR.

FIRST TERM.—Real Property, Equity, Corporations, Domestic Relations, Frauds and Fraudulent Conveyances, Sales.

SECOND TERM.—Real Property, Judgments, Constitutional Limitations, Conflict of Laws, and Lectures upon Federal Practice, Bankruptcy, Medical Jurisprudence and Legal Ethics.

The first term of both Junior and Senior courses begins on the third Monday in September; the second term of each course begins on the third Monday in January and ends on the first Friday in June.

Admission.

Though we fully appreciate the advantages of a thorough collegiate training in the various academic branches as a preparation for the study of the law, we have not made this acquirement a prerequisite to admission to this department. Applicants will be permitted to take up the studies of the Junior course who are possessed of a fair English education, such as may be acquired in our public schools. Students may be admitted to the Senior course upon producing sufficient proof of their having given the necessary time and study to the different subjects of the law, either in another law school or under the direction of a practicing lawyer, but no student will be granted the degree until he has passed a satisfactory examination on all the branches embraced in the full course for two years.

List of Text-Books.

Anson on Contracts; Reinhard on Agency; Daniel and Douglass on Negotiable Instruments; Hale on Torts; Mechem's Elements of Partnership; Van Zile on Bailments; Clarke on Criminal Law; Greenleaf on Evidence; Bryant's Code Pleading; Vance on Insurance; Tiedeman on Real Property; Eaton on Equity; Clarke on Corporations; Freeman on Judgments; Rogers on Domestic Relations; Cooley on Constitutional Law; Minor on the Conflict of Laws; Tiffany on Sales; Frank on Bankrupt Law; Curtis on Jurisdiction of United States Courts; Huges on Federal Practice; Reese on Medical Jurisprudence.

Moot Courts.

Moot courts begin with the last term of the Junior year and continue throughout the course, and are termed the judicial department of the school, and embrace all the courts—justice, probate, circuit and supreme—all modeled according to the constitutional requirements of the state.

The supreme court shall consist of three judges, a chief justice, and two associates. The circuit court shall consist of one judge, a clerk, and a sheriff, to be elected by the students. County and

probate court shall consist of one judge, a sheriff, and a clerk, to be elected by the students. Justice of the peace court shall consist of a member of the Senior class, who shall be elected by the student body.

These courts shall be under the immediate supervision of the dean, who will be assisted by the members of the faculty in compiling statements of facts embracing principles of law pertaining to the respective branches under their instruction.

Goar Lyceum.

This society is composed of the students of both the Junior and Senior years, and meets regularly every Wednesday night during the session. The exercises consist chiefly of theses and debates embracing subjects legal in their nature. The performance of these exercises is insisted upon by the faculty, for such practice enables the student to acquire the invaluable art of learning to think while on his feet, besides giving him an easy manner of address in public speaking.

Examinations.

Written examinations are held each term in the presence of a member of the faculty.

Degree.

The degree of Bachelor of Laws is conferred upon all students who have passed an examination on each of the subjects embraced in the course, and have attained the average standard grade of proficiency.

Class Honors.

Upon the student attaining the highest average grade in a class is conferred the first honor; upon the one attaining the next highest, the second honor; and upon the one making the next highest, the third honor.

The faculty authorize the selection of three orators to deliver orations at the commencement exercises, as follows: The Senior class, one; the Junior class, one; and the Goar Lyceum, one.

The Rt. Rev. W. K. Lloyd, D. D., of Little Rock, offers a prize of twenty-five dollars in gold to the student graduating with the highest average grade of proficiency in all branches.

Advantages of Location.

Each student may use the supreme court library, which contains about twenty thousand volumes, including all the reports from the year books to the seventieth Arkansas. During his course of two years the student may see one session of the legislature. The supreme court is in session about nine months of the year. A federal district court and the circuit court of appeals hold a session in Little Rock each winter. Two state circuit courts are in session about nine months in the year. The student of equity has an opportunity to observe some of its practical workings in a chancery court. Little Rock has a county and probate court, and about fourteen justices of the peace. The members of the Little Rock bar are kind and courteous to students and willing to aid them in any and every way. As Little Rock has a semi-tropical climate, it is just the place to spend a winter free from intense cold.

Professional Ethics.

At the same time that the endeavor is made to impart a knowledge of the fundamental principles of the law, the subject of professional ethics will be given special attention and its demands constantly impressed upon the minds of the students as indispensable to the attainment of an honorable and successful career as a lawyer.

Admission to the Bar.

By a recent act of the general assembly all graduates of the law department of the University of this state are admitted to the practice of law in the supreme court and all inferior courts of the state without the requirement of an examination.

Tuition and Expenses.

Tuition, Junior course, payable on entrance.....	\$50 00
Tuition, Senior course, payable on entrance.....	50 00
Board and lodging, per month.....	\$15.00 to 20 00
Diploma	5 00

Text-books can be procured with students' discount.

No library or society fees are required of students.

All communications should be addressed to the Secretary,

T. N. ROBERTSON, LL. B.,

Little Rock, Arkansas.

The Branch Normal College

Pine Bluff.

ISAAC FISHER, Principal,
Psychology, Ethics, and Pedagogy.

ABRAHAM WILLIS JOHNSON,
Mathematics, English, and Latin.

FREDERICK THOMAS VINEGAR,
Latin, Mathematics, and Physics.

ELLA CHARLOTTE MAYS,
Algebra, Arithmetic, Ancient History, and Music.

THOMAS CLAY OGBURN,
Chemistry, Geography, United States History.

SADIE M. PEEBLES,
Free Hand Drawing, English, and Arithmetic.

MAMIE BRAWLEY JUNE,
Dressmaking.

BURTON NEILL WILSON, B. Sc. M. E.,
Superintendent of Mechanic Arts.

WILLIAM STEPHENS HARRIS,
Assistant Superintendent of Mechanic Arts,

JAMES LINCOLN ROSS,
Machine Shop and Forge.

GENERAL STATEMENT.

The Branch Normal College is a division of the University of Arkansas, established pursuant to an act of the general assembly of the state of Arkansas, approved April 25, 1873, and has been in operation since September 27, 1875. Its primary object is the training of teachers for efficient service in the colored public schools of the state. Tuition is made free to all appointees, the only requirements for admission being suitable age and qualification, appointment by one of the county judges, and the payment of the matriculation fee of five dollars. Other students pay in addition one dollar per month in advance.

EQUIPMENT.

The college property consists of a beautiful tract of twenty acres of ground, in the suburbs of Pine Bluff, Jefferson County. A handsome and comfortable school building, a dormitory for girls, and manual training shops, containing as complete an equipment as can be found in any similar shops in the South.

REQUIREMENTS OF ADMISSION.

Candidates must be at least sixteen, if young men, and fourteen, if young women; and must pass satisfactory examinations in arithmetic, English grammar, geography and United States history.

APPOINTMENT OF BENEFICIARIES.

By the laws of the state, the appointment of students to the Branch Normal College in numbers from each county in the state is the same as to the parent University at Fayetteville. The power is vested in the county courts, but any vacancies occurring during the vacations of the court shall be filled by the judge of the county court.

All students thus appointed are entitled to four years' free tuition upon the payment of five dollars' matriculation fee in advance at the time of entering the institution.

These appointments are not transferable, and students holding them must be very careful that their conduct is not such as will lead to their forfeiture; and it may also be stated that the principal reserves the right to declare forfeited the appointments of those students who are not present at the opening of the autumn term.

Students planning to enter the college should go to their county judges for appointments, which, if received, must be brought to the college. Blanks for appointments may be secured by addressing Principal Isaac Fisher, Pine Bluff, Ark.

NORMAL DEPARTMENT.

The college offers a good course of training for those who plan to become teachers. More and more the aim will be to give scientific instruction in the matter of teaching the branches of public schools. Arrangements have been made with the superin-

tendent of the Pine Bluff public schools by which the student-teachers of this college may inspect the school system in actual operation. Candidates completing the work of this department will be granted the certificate of Licentiate of Instruction (L. I.). Applicants must pass a satisfactory examination in the ordinary English branches to be able to enter the school.

CLASSICAL DEPARTMENT.

Candidates completing this course will be granted the degree of Bachelor of Arts (A. B.), but no candidate failing to write and submit an original thesis to the teacher of English will be given this degree. The subject of this thesis, must be selected in December of the Senior year.

THE MECHANIC ARTS DEPARTMENT.

This department offers a splendid opportunity to young colored men to become skilled blacksmiths, machinists, engineers and firemen. The mechanic arts course and the manual training normal course are strong combinations of shop work and literary training. It is hoped that these courses will from time to time attract young men who desire to fit themselves for higher usefulness by preparing for the pursuit of those occupations for which there is a strong demand. In addition to these there is offered a course in woodworking, which comprises cabinet making, pattern making and carpentry.

DEPARTMENT OF DRESSMAKING.

Young women are here given an opportunity to learn plain sewing, crocheting and art needlework. There is a fine outfit of sewing machines and other requisites for doing the work planned by this department.

TYPEWRITING AND STENOGRAPHY.

These subjects are taught one hour each day. Shorthand classes will be formed whenever a sufficient number of students desire to pursue this study.

MILITARY DRILL.

The young men of the college have been organized into a battalion of cadets to promote habits of neatness, order, and

punctuality, and to develop an ennobling self-control in every young man connected with the school.

Under the military system thus established, it is aimed to exercise that control of the cadets which is so essential to easy and proper discipline. All young men are subject to the drill regulations.

PHYSICAL EXERCISE.

An athletic association for the purpose of fostering clean athletics and at the same time giving healthful exercise, has been organized under the direction of a member of the faculty, who will see that no excesses are indulged in and that sports do not interfere with the work of the other departments. Physical culture for young women is also a feature of the college work.

PUBLIC RHETORICALS.

Twice every month public rhetorical are held in the chapel and all students are subject to assignment on the programs.

RELIGIOUS LIFE.

Prayers are held in the chapel every morning except Saturdays and Sundays. All students are required to attend these devotions. On Sundays, the students who board in the town attend the various churches, while the girls living in the dormitory are taken to the churches of their several choices by members of the faculty.

HOLIDAYS.

The exercises of the college are suspended for one day at Thanksgiving, one on Washington's Birthday, and about ten days at Christmas.

LECTURE COURSE.

A course of lectures on live topics is given during the year. These are free, both to the students and to the public.

TRUSTEES' PRIZE.

This prize consists of twenty-five dollars, and is given to "that member of either of the two highest classes who shall during commencement week pronounce the best oration on any one of a number of subjects to be selected by the principal."

GENERAL EXERCISES.

The general exercises include reviews of the Sunday school lessons and of the events of the week; also music and drawing. There are regular lessons in vocal music which are given to all students. Students will frequently be required to give public evidence of their skill in using the library intelligently. All exercises must be attended faithfully.

EXPENSES.

For all students, matriculation fee, in advance.....	\$ 5 00
Board, fuel, and light, for girls in the dormitory.....	8 00
Board, fuel, and light, in private families.....	\$8.00 to 10 00
Non-beneficiary students, for tuition, per month.....	1 00

Books at usual retailers' price.

Entrance fees and board bills are payable in advance.

For further information concerning any department of the college, address the principal,

ISAAC FISHER,

Pine Bluff, Ark.

Register of Students

THE COLLEGE.

Abbreviations.—B. A., Bachelor of Arts; B. S., Bachelor of Science; B. M. E., Bachelor of Mechanical Engineering; B. C. E., Bachelor of Civil Engineering; B. E. E., Bachelor of Electrical Engineering; B. Mi. E., Bachelor of Mining Engineering; M. A., Master of Arts; M. S., Master of Science; C. E., Civil Engineer; E. E., Electrical Engineer; M. E., Mechanical Engineer; L. I., Licentiate of Instruction.

Graduates.

Name.	Course.	Post Office.	Boarding Place.
Braly, Amanda Lida, B. A.	Sp.	Fayetteville	340 Arkansas
Carr, Wallace Bradbury, B. S.	Sp.	Quincy, Mass.	204 W. Dickson
*Cochrane, Victor Hugo, B. C. E.	C. E.	Pittsburg, Pa.	
Droke, Leila Ruth, B. A.	M. A.	Fayetteville	103 Hill
Hardin, Nina Vashti, B. A., M. D.	Sp.	Fayetteville	148 Hill
Harding, Arthur McCracken, B. A.	M. A.	Fayetteville	214 E. Lafayette
*McConnell, John Lorenzo, B. C. E.	C. E.	Winona Lake, Ind.	
*Middleton, Robert J., B. C. E.	C. E.	Kansas City, Mo.	
Nelson, Rufus Jerry, B. S.	M. S.	DeQueen	17 Hill
Norton, John Henry, B. S.	M. S.	Fargo, N. Dak.	Bachelors' Hall
Oishi, Zenki,	M. A.	Kumamoto, Japan	17 Hill
Olney, Lee Sedwick, B. E. E.	E. E.	Mena	820 W. Maple
Taylor, Rupert, B. A.	M. A.	Jonesboro	820 W. Maple
			Total, 13.

Seniors.

Andrix, Earl Russel	B. M. E.	Fayetteville	R. F. D. No. 2
*Austin, Robert Lee	B. A.	Fayetteville	1/4 Mile N. W. U.
Ballard, Ben Calvin	B. A.	Durham	Ballard's
Barrett, Frank Brown	B. C. E.	Jonesboro	Buchanan Hall
Blackshire, Plaut Leslie	B. C. E.	Piggott	Buchanan Hall
Borders, John Mallory	B. S. A.	Fayetteville	Borders'
Brockman, Edwin Wilson	B. A.	Garnett	Buchanan Hall
Brunskog, Carl Waldemar	B. C. E.	Bentonville	Buchanan Hall
Campbell, Lonnie Lee	B. A.	Newport	Buchanan Hall
Catts, Erwin Campbell	B. M. E.	Washington	Buchanan Hall
Collins, Thomas Abe	B. A.	DeQueen	Buchanan Hall
Craig, Percy Gaines	B. A.	Little Rock	703 W. Dickson
Croom, Cleveland	B. A.	Dardanelle	213 N. Church
Cubage, John Granville	B. A.	Amity	Buchanan Hall
Dalton, Charles E	B. E. E.	Fayetteville	226 S. College
Delony, Ernest	B. A.	Hope	Buchanan Hall
Feild, William Terry	B. M. E.	Little Rock	Gregg House

*Not in residence.

Name.	Course.	Post Office.	Boarding Place.
Foreman, Charles Doss	B. S. A.	Chelsea, I. T.	17 Hill
Gardner, Joseph Watt	B. A.	Lacrosse	Buchanan Hall
Harding, Charles Tomlinson	B. C. E.	Fayetteville	357 Wash.
Holland, Wyatt Cleveland	B. A.	Greenwood	Buchanan Hall
Hunt, Harry Gillham	B. A.	Walnut Ridge	640 Leverett
Hurst, George Abner	B. A.	Fayetteville	Geo. W. Hurst's
Jacks, Maston Edwards	B. Mi. E.	Marianna	735 W. Dickson
James, John John	B. A.	Maysville, I. T.	Mr. James's
Johnson, Maybelle	B. A.	Fayetteville	16 W. Block
Johnston, James Henry	B. S. A.	Auvergne	Buchanan Hall
Leverett, Storer	B. S.	Fayetteville	Leverett
Mashburn, Ernest Eugene	B. C. E.	Melbourne	Hill Hall
McCrory, Grover Garland	B. C. E.	McCrory	Buchanan Hall
Mesler, Rector Duval	B. S.	Fayetteville	Gregg House
Mitchell, Brainard, Jr.	B. M. E.	Oneco	Mrs. Hankins'
Morrow, Donald Blackburn	B. E. E.	Booneville	Neely's
Mullins, Thomas Clinton	B. C. E.	Fayetteville	Buchanan Hall
Nordmeyer, Charles Dudley	B. S.	Fayetteville	Nordmeyer's
Oates, Charles Everett	B. A.	Oppelo	Hill Hall
Payne, Brodie	B. A.	Hot Springs	Buchanan Hall
Pope, Arthur D	B. A.	Magnolia	Buchanan Hall
Pratt, Darwin Hippolyte	B. S.	Fayetteville	C. L. Pratt's
Pruett, Grover Cleveland	B. C. E.	Denning	Buchanan Hall
Pruett, John Riley	B. C. E.	Denning	Buchanan Hall
Rhyne, James Rush	B. S.	Ben Lomond	Buchanan Hall
Sadler, Daniel Kennard	B. A.	Booneville	Buchanan Hall
Schimmelpennig, Charles William	B. C. E.	Little Rock	Buchanan Hall
Stanford, James Butt	B. S. C.	Fayetteville	J. C. Stanford's
Stockton, Irene Graeme	B. A.	Little Rock	W. H. Ramsey's
Stone, James Hicks	B. S.	Fayetteville	B. H. Stone's
Taber, Harry Breck	B. A.	Little Rock	703 W. Dickson
Weber, Louis William	B. A.	Hindsville	Hill Hall
Wilson, Constant Perkins	B. S. A.	Ft. Smith	Mrs. Neeley's
Wilson, Nellie Collins	B. A.	Ft. Smith	Dr. Davies'
Winters, Winston Lee	B. C. E.	Ft. Smith	Buchanan Hall

Total, 52.

Juniors.

Albright, Ella	B. A.	Barren Fork	Mrs. Hooper's
Baker, Grover Clinton	B. E. E.	Harrison	637 Leverett
Baleh, Coleridge Paine	B. A.	Nelson, I. T.	Buchanan Hall
Ballard, Jerrod	B. A.	Durham	Ballard's
Blair, Daniel Baxter	B. C. E.	Decatur	Buchanan Hall
Blair, Leora	B. A.	Van Buren	Mrs. Ellis'
Bolinger, Walter Allen	B. A.	Lead Hill	725 W. Dickson
Braly, William Corrick	B. M. E.	Fayetteville	340 Arkansas
Bryant, William Cullen	B. A.	Nashville	Buchanan Hall
Carter, Hugh Reuben	B. C. E.	Fayetteville	505 E. Rock
Cazort, Charles Anthony	B. S. A.	Lamar	Mrs. Triplett's
Coker, Adam	B. C. E.	Lead Hill	Buchanan Hall

Name.	Course.	Post Office.	Boarding Place.
Coker, Roy	B. C. E.	Lead Hill	Buchanan Hall
Combs, Walter	B. C. E.	Cotter	Buchanan Hall
Crozier, Ruth Margaret	B. A.	Fayetteville	116 East
Davis, Lyta	B. S.	Fayetteville	410 Arkansas
Davies, Samuel Green	B. C. E.	Fayetteville	207 N. College
Deane, Sidney Edward	B. C. E.	Fayetteville	R. F. D. No. 2
Dickson, Enos Howell	B. E. E.	Desha	637 Leverett
Feathers, John Edward	B. C. E.	Fayetteville	109 N School
Harding, Vernon Alexander	B. E. E.	Fayetteville	375 Wash.
Hillman, Charles Clark	B. S.	Almyra	Hill Hall
Holt, James Seaborn	B. S.	Bellefonte	375 Dickson
House, Joseph Warren, Jr.	B. A.	Little Rock	Mrs. Neelly's
Hughes, Leslie Claire	B. Ch. E.	Fayetteville	531 N. College
Hyatt, Robert Lee	B. S.	Monticello	Mrs. Curry's
Johnson, Arthur Joe	B. A.	Garnett	Hill Hall
Mahony, Joseph Kirby	B. A.	El Dorado	Gregg House
McConnell, James Edgar	B. A.	Charleston	Hill Hall
McCulloch, Doddridge	B. A.	Marianna	735 W. Dickson
Mitchell, Owen Cecil	B. Ch. E.	Fayetteville	729 W. Dickson
Moore, Henrietta	B. A.	Fayetteville	J. M. Moore's
Murphy, John William	B. E. E.	Fayetteville	Greenhouse
Oliver, Bessie	B. A.	Fayetteville	C. M. Oliver's
Orr, Milan Kenton	B. Mi. E.	Ft. Scott, Kan.	Mrs. Moore's
Parker, Arthur Clarence	B. S.	Paris	Buchanan Hall
Powell, Howard Emory	B. C. E.	Prescott	703 W. Dickson
Pugh, Anna	B. A.	Fayetteville	618 Ida
Reagan, Zenas Lytton	B. C. E.	Fayetteville	503 Wash.
Reed, Kenneth A.	B. E. E.	Gregory	Buchanan Hall
Risser, Elizabeth Inez	B. A.	Fayetteville	108 N. East
Ross, James Harvey	B. M. E.	Fayetteville	Mrs. Ross
Shook, Sarah	B. A.	Fayetteville	119 Hill
Shore, Rena Buchanan	B. A.	Fayetteville	317 N. College
Sively, George Murphy	B. S.	Ellsworth	Hill Hall
Smilie, Robert Percy	B. C. E.	Leslie	Buchanan Hall
Spradlin, Brutus Augustine	B. A., L. I.	Franklin	Buchanan Hall
Stanley, Joseph Hopkins	B. A.	Augusta	20 E. Dickson
Stelzner, William Boyd	B. E. E.	Anadarko, Okla.	T. Buttram's
Stewart, Sanford	B. A. A.	Magnolia	Buchanan Hall
Thomas, Benjamin Forrest	B. A.	Fayetteville	J. R. Bates'
Tidball, Nell	B. A.	Fayetteville	W. Dickson
Townsley, Freeland Page	B. A.	Little Rock	207 College
Tucker, Marshall Ernest	B. S. A.	Fayetteville	R. F. D.
Tyson, William Claud	B. C. E.	Camden	Buchanan Hall
Umbaugh, Ollie Laurel	B. A.	Springdale	Mrs. Ellis's
VanValkenburg, William Moore	B. E. E.	Warren	20 E. Dickson
Watson, John Thomas	B. C. E.	Little Rock	Gregg House
Weld, Gean Granada	B. A.	Mariana	566 Arkansas
Wilson, John Melvin	B. S. A.	Evening Shade	Greenhouse
Wood, John Shirley	B. Ch. E.	Little Rock	Mrs. Curry's
York, Joseph Othel	B. A.	Bellefonte	Buchanan Hall
			Total, 62.

Sophomores.

Name.	Course.	Post Office.	Boarding Place.
Barrett, Reuben	B. S.	Jonesboro	Buchanan Hall
Barton, Maud Lee	L. I.	Fayetteville	Ellis'
Bellnap, Joel Rousseau	B. M. E.	Sulphur Spgs.	629 W. Dickson
Benson, Frederick Preston	B. S. C.	Camden	537 Leverett
Bettis, Austin Boyce	B. A.	Chapel Hill	Buchanan Hall
Bird, Earl Valentine	B. C. E.	Springdale	Geo. Peterhoagh
Blakemore, Thomas Lester	B. A.	Altus, Okla. T.	Buchanan Hall
Boles, Ashleigh Pannel	B. A.	Fayetteville	205 N. College
Boles, Flora Alice	B. A.	Ft. Smith	128 Dickson
Brack, Clifton Lee	B. A.	Little Rock	Gregg House
Braly, Mary Laura	B. A.	Fayetteville	340 Arkansas
Brizzolara, John	B. A.	Ft. Smith	Mrs. Crockett's
Brunson, Thomas Roswell	B. S. E.	Rock Creek	Buchanan Hall
Bryant, Roy Blake	B. E. E.	Nashville	Buchanan Hall
Cabe, Robert Lewis	B. A.	Burks	111 East
Childress, Norah	B. A.	Fayetteville	T. B. Childress'
Chunn, George Davies	B. S.	Holly Grove	Hill Hall
Cook, Ernest Fleet	B. A.	Texarkana	703 W. Dickson
Cook, Ira	B. M. E.	Fayetteville	H. H. Cook's
Cotnam, Charles	B. M. E.	Little Rock	409 W. Dickson
Cowling, Anson Day	B. A.	Cowlington, I. T.	W. Dickson
Davis, Okey Lee	B. C. E.	Marcella	Buchanan Hall
Deane, Ruth Elizabeth	L. I.	Fayetteville	R. F. D. No. 2
Dent, Carleton Gale	B. E. E.	Annieville	Buchanan Hall
Droke, Albert Hill	B. E. E.	Fayetteville	103 Hill
Elder, Thomas Duane	B. S.	Jonesboro	Buchanan Hall
Fry, Joseph Elmer	B. C. E.	Cedarville	Buchanan Hall
Gordon, Luther, Jr.	B. A.	Morrilton	703 W. Dickson
Grant, James Richard	B. A.	Dover	Buchanan Hall
Gray, Bertha Foustina	L. I.	Batesville	Dickson
Green, Bruce Clarence	B. C. E.	Pine Bluff	Gregg House
Gregg, Alfred Welch	B. A.	Fayetteville	308 Wash.
Hight, William Clarence	B. C. E.	Fayetteville	218 N. East
Hopson, Edwin Eastman	B. A.	Buford	Hill Hall
Hurt, Garland	B. S.	Newport	Hill Hall
Irby, Jamie Hapgood	B. A.	Newport	Mrs. Curry's
Jackson, Zeb Pettigrew	B. C. E.	Muskogee, I. T.	W. Center
Janes, Jesse Isaac	B. A.	Dover	Mrs. Brownfield's
Jeffries, Alfred Jefferson	B. A.	Clarendon	Mrs. Neely's
Johnson, David Augustus Eugene	B. A.	Paris	Hill Hall
Jones, George Fleming	B. A.	Frank	Buchanan Hall
Lamberton, Annie Louisa	B. A.	Harrison	J. C. Stanford's
Lantrip, Lynn Winston	B. C. E.	Fayetteville	217 Sutton
Leche, Mary Maude	L. I.	Donaldsonville	W. S. Johnson's
Lewis, Charlie Haw	B. A.	Atkins	Buchanan Hall
Locker, Jeremiah Matthew	B. C. E.	Muskogee	735 W. Dickson
Mauck, Ralph Waldo	B. A.	Bentonville	J. R. Bates'
McAnally, Cora Leontine	L. I.	Elm Springs	J. C. Stanford's

Name.	Course.	Post Office.	Boarding Place.
McKnight, David Arthur	B. S.	Bee Branch	Hill Hall
McMillan, Fred Lee	B. E. E.	Pine Bluff	403 N. West
Meek, Roy Settle	B. S.	Russellville	Buchanan Hall
Mercer, Charles Franklin	B. C. E.	Dermott	Hill Hall
Miser, Hugh Dinsmore	B. A.	Rogers	Mrs. Buttram's
Miser, Wilson Lee	B. A.	Rogers	Mrs. Buttram's
Mitchell, John Lucien	B. S.	Fayetteville	J. C. Mitchell's
Moore, George Jacob	B. A.	Bentonville	J. R. Bates'
Morris, Grover Cleveland	B. A.	Lonoke	J. D. Jordan's
Mystick, Charles Early	B. A.	Poplar	703 W. Dickson
Norman, Olivia	L. I.	Fayetteville	A. H. Norman's
Portnell, James Roy	B. E. E.	Fayetteville	Willow St.
Pritchett, Frank Alexander	B. C. E.	Batesville	Hill Hall
Pritchett, Robert Hugh	B. E. E.	Batesville	Hill Hall
Read, Alicia Johnson	B. A.	Fayetteville	Dr J S Reed's
Rhea, William Harris	B. E. E.	Fayetteville	R. J. Rhea's
Rhodes, Charles Robert	B. E. E.	Osceola	735 W. Dickson
Russell, Arry Lee	B. C. E.	Texarkana	Buchanan Hall
Sanders, Lucy Edna	B. A.	Fayetteville	346 N. West
Shaver, Lee Bryant	B. C. E.	Oakland, La.	717 W. Dickson
Shepherd, Claude Harold	B. E. E.	Texarkana	Jos. Bates'
Sherrod, Willie Vernon	B. E. E.	Goshen	J. C. McCoy's
Smith, Elmer Clifton	B. C. E.	Sidney	Mrs. L. J. Ross'
Sowers, Gracie	B. A.	Monticello	J. J. Curry's
Stacy, Hal Gillette	B. C. E.	Vandale	Mrs. Wilson's
Starbuck, Arward	B. A.	Foreman	Hill Hall
Thompson, Mack Franklin	B. E. E.	Fayetteville	355 N. West
Tucker, Justin Randolph	B. S. A.	Fayetteville	R. F. D.
Walls, Charles Albert	B. A.	Lonoke	17 Hill
Watson, Edmond Penn	B. C. E.	Bentonville	717 W. Dickson
Wear, Robert Lavater	B. S.	Poteau, I. T.	Mrs. Cowling's
Wiggins, Joseph Cleveland	B. C. E.	Cecil	Buchanan Hall
Williams, Clara Elizabeth	L. I.	Eureka Spgs.	Lafayette Av.
Williams, Oscar Eugene	B. A.	McKinney, Tex.	15 S. West
Winters, Elizabeth	B. A.	Ft. Smith	740 W. Maple
Woodruff, Clarence Herbert	B. A.	Rhea	138 Hill
Woodson, Edward Francis	B. C. E.	McCurtain, I. T.	17 Hill
			Total, 85.

Freshmen.

Adams, James William	Independence, Mo.	W. Center
Allen, Joseph Cleveland	B. A.	Hatfield Buchanan Hall
Audigier, Louie	L. I.	Little Rock 117 Hill
Bayley, Wilber Sidney	B. E. E.	Ft. Smith 820 Douglas
Becket, Clentis Murl	B. C. E.	Cowlington, I. T. 629 W. Dickson
Becket, Lovell	B. E. E.	Cowlington, I. T. 629 W. Dickson
Bell, Lexie Lou	B. A.	Benton 6 W. Dickson
Bennett, Robert Elmo Jamés		Paris 334 College
Bickel, Norman E		Carroll E. F. Bickel's
Black, Curtis	B. A.	Corning Mrs. Baker's

Name.	Course.	Post Office.	Boarding Place.
✓ Blair, Theron Cherry	B. A.	Van Buren	
✓ Blakemore, Amy	L. I.	Prairie Grove	R. O. Ellis's
✓ Boggs, William Hampton	B. A.	Winthrop	Hill Hall
✓ Brown, Elizabeth Ellen	B. A.	Fayetteville	23 N. E. St.
✓ Brown, Ethel	Sp.	Fayetteville	23 N. E. St.
✓ Bryant, John Arthur		Fayetteville	413 N. Mountain
✓ Buck, William Robert	B. A.	Fayetteville	N. College
✓ Bullock, William Lafayette	B. A.	Ft. Smith	W. Dickson
✓ Bumpass, Edward Kenneth	B. E. E.	Fayetteville	Sutton & Willow
Bunn, James Benjamin, Jr.	B. A.	Hamburg	Mrs. Curry's
Campbell, Gordon William	B. E. E.	Fayetteville	420 E. Lafayette
Campbell, Minerva Madge	B. A.	Fayetteville	420 E. Lafayette
Carter, Nama	B. A.	Durham	
✓ Chandler, James Ewing	B. E. E.	Fayetteville	434 N. College
✓ Chapman, George Arnold	B. E. E.	Fayetteville	104 East
Coker, John	B. C. E.	Lead Hill	Buchanan Hall
✓ Conley, Jack	B. A.	Harrison	Hill Hall
✓ Cook, Stuart Martin	Agr.	Fayetteville	W. of Univ.
✓ Cox, Oxville Garland	B. C. E.	Paris	McCoy's
✓ Crow, Blaine	B. S.	Rogers	G. F. Blanchard's
✓ Crook, Clarence Benton	B. E. E.	Newport	Mrs. Mead's
Davis, Arthur Charles	B. M. E.	Fayetteville	420 Arkansas
Davis, Francis Harriet	B. A.	Chickasha, I. T.	Oriental Hotel
✓ Davis, Lynah Hamilton	Sp.	Little Rock	W. H. Ramsey's
✓ Davis, Wallace Carter	B. A.	Little Rock	Gregg House
✓ Deaver, James Franklin	B. C. E.	Springdale	322 Ralston
✓ Dewoody, Sorrells	B. Ch. E.	Pine Bluff	Gregg House
✓ Diffey, Harry F.	B. E. E.	Ft. Smith	Hill Hall
✓ Dodson, James William	B. A.	Paris	Hill Hall
✓ Doke, Eugene Milton	B. A.	Bentonville	J. M. Bohart's
DuLaney, John Jefferson	B. A.	Ben Lomond	Hill Hall
Dyer, Claud Howard	B. C. E.	Fayetteville	N. W. Univ.
Eason, Herman Edward	B. E. E.	Fayetteville	Gregg, nr. Center
✓ Eby, Ernest Cowley	B. E. E.	Eureka Springs	17 Hill
✓ Edwards, Verna	B. A.	Texarkana	207 College
✓ Elkins, Guy W.	B. S. A.	Magazine	Hill Hall
✓ Ellis, Dora	Sp.	Fayetteville	230 W. Center
✓ Ellis, Forest	B. A.	Fayetteville	104 N. College
✓ Ellis, Oscar Ferguson	B. C. E.	Fayetteville	312 W. Lafayette
Farish, Myrtle Raymond	L. I.	Morrilton	J. L. Keener's
✓ Fearing, Benjamin Franklin	B. A.	Camden	Mrs. Crockett's
✓ Ferguson, Carrie Sadie		Elm Springs	207 College
✓ Ferguson, Thomas Moody	B. S.	Booneville	Cowles'
✓ Floyd, Nina Berry	B. A.	Yellville	Crockins'
Ford, David Lane	B. A.	Cecil	Buchanan Hall
Freeman, Thomas Bennet	B. A.	Helena	Leverett
Gibson, Rupert Campbell	B. A.	Berryville	Hill Hall
Gibson, William Bertram	L. I.	Berryville	Hill Hall
Gough, Ivor	B. Mi. E.	McCurtin, I. T.	17 Hill
✓ Graham, Simeon Burr	B. C. E.	Mena	J. E. Wilson's

Name.	Course.	Post Office.	Boarding Place.
Gray, Joseph Leslie	B. C. E.	Beaver	18 E. Dickson
Greathouse, Ollie May	B. A.	Johnson	Mrs. Barry's
✓ Gregg, Annie Josephine	B. A.	Fayetteville	½ Mile N. U. A.
✓ Hamilton, William Malcolm	B. A.	Falcon	640 Leverett
✓ Hawkins, Frank Clayborne	B. A.	Rogers	Buchanan Hall
✓ Henson, Malcolm Young	B. E. E.	Springdale	D. Keeney's
✓ Hinkle, Shelby Earle	B. C. E.	Batesville	Hill Hall
Hixon, Herbert Guy	B. C. E.	Paris	Hill Hall
✓ Holcomb, William Henry	B. C. E.	Springdale	346 Wall
Holmes, Edwin Percy	B. A.	Nathan	Buchanan Hall
Holtzclaw, Hanan A.	B. S. A.	Vineyard	15 N. Duncan
Huxtable, William Guirey	B. A.	Vincent	Hill Hall
✓ Irby, Elizabeth	B. A.	Newport	Mrs. Curry's
✓ James, Clifton Richard	B. A.	Tuckerman	Buchanan Hall
✓ Johnson, James Robert	B. C. E.	Arkansas City	W. Douglas
Jordan, Flossie	B. A.	England	J. D. Jordan's
✓ Jordan, James K.	B. C. E.	England	J. D. Jordan's
Keeney, Marie	B. A.	Fayetteville	Dr. Keeney's
✓ Keith, Charles Alexander	B. A.	Amity	Buchanan Hall
✓ Keith, Ernest Thomas	D. A.	Sharmon	Buchanan Hall
✓ Keller, Irwin	B. C. E.	Hot Springs	Mrs. Neelly's
King, Berry	B. S.	Harrison	18 E. Dickson
✓ Kitchens, George Thomas	B. S.	Waldo	Buchanan Hall
✓ Kolb, William Burge	B. A.	Ola	Buchanan Hall
Koser, William Aubry	B. C. E.	Marion	Buchanan Hall
Lamberton, Horace Christopher	B. E. E.	Harrison	J. C. Stanford's
✓ Leggitt, Frank Asbury	B. S. A.	Paragould	640 Leverett
Leister, Leroy Bismarck	B. A.	Ellsworth	2 University
✓ Lemon, Bierwell Rembert	B. A.	Fayetteville	College
Leverett, Charles Deane	B. A.	Fayetteville	F. L. Leverett's
✓ Lindsey, Elmer Marvin	B. C. E.	Fayetteville	
✓ Little, Albert Homer	B. C. E.	Texarkana	Miss Effie Hart's
✓ Little, Jesse Gray	B. A.	Lavaca	Buchanan Hall
Lueker, Charles Gottlieb	B. A.	Famous	Hill Hall
Manning, Gladys	B. A.	Clarendon	W. A. Ramsey's
✓ Maples, Ree	L. I.	Berryville	Mrs. Brownfield's
✓ McClean, William Howard	B. M. E.	Little Rock	213 Church
✓ McCray, Rose	L. I.	Little Rock	J. J. Curry's
McCulloch, Hugh	B. A.	Little Rock	735 W. Dickson
✓ McDermott, Angus	B. A.	Dermott	Hill Hall
✓ McDonald, Jesse Connor Augusta	B. S.	Augusta	20 E. Dickson
✓ McGraw, Grover Dewitt	B. M. E.	Paris	McCoy's
McLeod, Angus Armstrong	B. S.	Ft. Smith	Rhea's
McNeil, Ralph Alonzo	B. C. E.	Rector	Hill Hall
✓ McSpadden, Theodore R.	B. A.	Chelsea, I. T.	Leverett
✓ McWilliams, Jesse Herbert	B. S.	Eldorado	Gregg House
✓ Mead, Alice Fay	B. A.	Fayetteville	523 Leverett
✓ Miller, Myrtle	B. A.	Fayetteville	219 Block
✓ Milner, Dufer Jackson	B. E. E.	Milner	Hill Hall
✓ Mitchell, Ara Evelyn	B. A.	Fayetteville	303 Dickson

Name.	Course.	Post Office.	Boarding Place.
Moreland, Claude	B. C. E.	Jonesboro	Hill Hall
Morgan, Samuel Ross	B. S.	Eldorado	Buchanan Hall
Murphy, Wallace Carl	B. A.	Ft. Smith	Buchanan Hall
Nelson, John William	B. C. E.	Buford	Hill Hall
Nesbit, William Edward	B. A.	Fayetteville	420 N. College
Newman, Thomas M.	B. A.	Harrison	Hill Hall
Oates, Max Bruce	B. S. A.	Pottsville	N. W. Univ.
Olmstead, Cloyd Everet	B. S.	Heber	Buchanan Hall
Oliver, John Albert	B. A.	Clifty	
Palmer, John McCarty	B. S. A.	Mt. Pleasant, Ia.	Rhea's
Pearce, Tom R.	B. C. E.	Aurora, Mo.	Waterfield's
Pearson, Thomas Milton	B. A.	Rhea	Jesse Goddard's
Peck, Dora	B. A.	Fayetteville	T. A. Peck's
Pitchford, Joseph Irwin	B. A.	Tahlequah, I. T.	Mrs. Cowling's
Prnett, William Nathan	B. E. E.	Osceola	623 N. Whitham
Palley, Cameron		Fayetteville	214 N. East
Rankin, John Gordon	B. A.	Morrilton	
Rankins, William Frank	B. A.	Russellville	Buchanan Hall
Redford, Edwin	B. E. E.	Woolstock, Ia.	264 W. Meadow
Reed, Kate Kathleen	B. A.	Springdale	Mr. Dunlap's
Reed, Maggie	B. A.	Johnson	803 W. Dickson
Regan, J. Elmer	B. C. E.	Prescott	Gilbert House
Reves, Charles Sumner	B. E. E.	Alma	Buchanan Hall
Reves, George William	B. M. E.	Alma	Buchanan Hall
Rice, Walter B.	B. E. E.	Brightwater	717 W. Dickson
Ross, Sam	B. M. E.	Fayetteville	Mrs. L. J. Ross'
Ross, William Browning	B. E. E.	Okalona	Buchanan Hall
Scott, Herbert Carl	B. A.	Waveland	430 Vandeventer
Seidel, Isidor	B. S.	Eureka Springs	17 Hill
Sennumes, Joe Murray	B. C. E.	Osceola	Hill Hall
Smith, Howell Rush	B. A.	Malvern	Buchanan Hall
Stafford, Guy Claypool	B. C. E.	Springdale	753 W. Dickson
Stansberry, George P.	B. C. E.	Little Rock	Buchanan Hall
Strong, John Chalmers	B. A.	Brinkley	Barry's
Sullivan, Hershall Edwin		Bellefonte	15 S. West
Sullivan, Luther Henderson	B. C. E.	Pine Bluff	17 Hill
Sutton, Beulah	B. A.	Fayetteville	121 W. Dickson
Sutton, Edith	B. A.	Fayetteville	121 W. Dickson
Sutton, John Haywood	B. S.	Holly Grove	537 Leverett
Thompson, Ross Emile	B. E. E.	Heber	Hill Hall
Trent, Bess	B. A.	Fayetteville	218 Church
Trimble, Fannie Ewing	B. A.	Lonoke	Mrs. Adams's
Walker, Mabel Margaret	B. A.	Buntyn, Tenn.	121 W. Dickson
Watterfield, Elgin Arnold	B. A.	Holdenville, I. T.	322 Ralston
Webb, Joseph Watson	B. A.	Martinville	Leverett House
West, Douglas Edison	B. A.	Dardanelle	Anderson House
Westbrook, Howell Lane	B. E. E.	Pine Bluff	Gregg House
White, Felix Slown	B. E. E.	Fayetteville	523 Willow
White, Pearl	B. A.	Fayetteville	523 Willow
Whittmore, Willie Leora	B. A.	Fayetteville	416 Washington

Name.	Course.	Post Office.	Boarding Place.
✓ Williams, Roy Welch	Sp.	Fayetteville	310 Washington
✓ Williamson, Truman Dale	B. A.	Springdale	Dr. Keeney's
✓ Willis, Frank Evers	B. A.	Eureka Springs	Jordan's
Winfrey, Lewis Edgar	B. A.	Rudy	Ellison's
Witt, Earl	B. A.	Mt. Ida	Mrs. Ross'
Wood, Arthur Cleveland	B. C. E.	Ft. Smith	Buchanan Hall
Woods, John Powell	B. A.	Yellville	Buchanan Hall
✓ Wooton, Leonard Luther	B. E. E.	Mena	Buchanan Hall
✓ Young, Nancy Ovid	B. A.	Booneville	207 N. College
			Total, 169.

Special.

Alston, Edley Roy	Chapel Hill	Buchanan Hall
Arnold, Jessie Garfield	Marshall	15 S. West
Barry, Lucile Leila	Fayetteville	Howard Gay's
Bates, Beulah Florence	Cane Hill	617 W. Dickson
Baum, Elias Julius	Fayetteville	337 N College
Bohart, Allen Thurman	Fayetteville	Mt. Nord
Burrow, Claud M.	Little Rock	213 Church
Carpenter, Sam	Arkadelphia	213 Church
Carter, N. Delford	Durham	Whitham
Cazort, Tom Jay	Lamar	N. Gregg
Clark, Pearl	Goshen	Joseph Frost's
Combs, Bertha	Cotter	Mrs. Brownfield's
Cook, Flippin Martin	Texarkana	703 W. Dickson
Counts, John	Little Rock	
Cross, Cage	Pine Bluff	Gregg House
Dunn, Ralph Knox	Fayetteville	B. J. Dunn's
Feldt, Louise Freda	Fayetteville	B. R. Davidson's
Ferguson, Ezra Franklin	Booneville	Cowles'
Gardner, Daniel Mough	Ft. Smith	20 E. Dickson
Grundy, Edmund James	Mammoth Spgs	W. T. Grundy's
Harper, Frank Marion	Eldorado	Buchanan Hall
Harvey, Homer Alvan	Elk City, Kan.	640 Leverett
Highsaw, James Leonard	Clear Lake, Tex.	Baswell House
Huggins, James Edgar	Ozark	Buchanan Hall
Hutton, Marion Cleveland	Little Rock	Buchanan Hall
Ingram, Clyde Wilmar	Springdale	F. O. Gulley's
Jett, William Augustus, Jr.	Little Rock	409 W Dickson
Jordan, Edna Garlington	Lonoke	J. D. Jordan's
Kantz, Willie Dean	Fayetteville	Kantz's
Kimball, Fletcher	Little Rock	104 East
Leverett, Blanche	Fayetteville	F. L. Leverett's
Lewis, Marie		623 W. Dickson
Maxwell, James Albert	Texarkana	Hill Hall
McCartney, Jessie Love	Fayetteville	340 N. Col.
McGill, John Thomas	Bentonville	S. C. Roberts'
McGowan, Wirt Edward	West Point	Mrs. Morris'
Mitchell, Sibyl Andrey	Fayetteville	J. C. Mitchell's
Mitchell, Solon Biffie	Greenway	Buchanan Hall

Name.	Post Office.	Boarding Place.
Mock, Tom Patton	Fayetteville	636 W Maple
Moore, Jessie Warren	Arkadelphia	Washington Hotel
Morgan, William Sidney	Chickalah	Mrs. Cowles'
Nance, Denver	Hindsville	Buchanan Hall
Palmer, Louis L.	Mt. Pleasant, Ia.	Rhea's
Pearce, Maud Dunlap	Winslow	
Pearson, Herbert Sylvester	Rhea	C. A. Pearson's
Porter, William Henry	Trenton	15 Duncan
Ragan, Heartsill	Clarksville	Jos. Wilson's
Ragland, Fannie	Fayetteville	215 E Dickson
Revel, John William	Augusta	Barr's
Rice, Hugh Miller	Brightwater	717 W. Dickson
Smith, Jessie	Fayetteville	200 W Dickson
Stanley, Thomas Edward	Augusta	Mrs. Neelly's
Stevens, Otis	Forrest City	629 W. Dickson
Stover, Luther Martin	Casa	Buchanan Hall
Tharp, Mattie Irene	Fayetteville	15 N. West
Thompson, William Elmo	Warren	314 W. Center
Tillman, Fred Allen	Fayetteville	420 N. College
Tillman, John Walker	Fayetteville	420 N. College
Torrans, Paul Wood	Texarkana	703 W. Dickson
Wells, Eustace Earl	Monticello	Buchanan Hall
Williams, Linus Alvin	Arcadia, Fla.	317 Mountain
Wolf, Otha	Paris	Arkansas Bldg.
		Total, 62.

SHORT COURSE IN ELECTRICAL ENGINEERING.

First Year Class.

Acuff, Samuel Otis	Booneville	Buchanan Hall
Acuff, Walter	Booneville	Buchanan Hall
Alexander, Guilford L.	Rogers	Buchanan Hall
Baker, Frank	Fayetteville	503 Wash
Bernard, Harry	Russellville	Buchanan Hall
Bowen, Arthur Wilkes	Osceola	Hill Hall
Bowers, Ezra James	Paris	Buchanan Hall
Bryson, Joe	Centerville	213 N Block
Crosser, John Lynn	Newark	
Daniels, Julius	Dermott	Hill Hall
Dickson, Jewel	Rogers	York
Edwards, Ralph Merle	Mena	537 Leverett
Ellington, Thomas Eliza Berry	Booneville	Buchanan Hall
Ellis, J. Kenneth	Eureka Springs	18 E. Dickson
Elliston, B. E.	Hot Springs	York
Graham, Hosmer Carey	Ft. Smith	H. H. Cook's
Krisle, Shelton	Dermott	Hill Hall
Leinen, Matthew J.	Garland	640 Leverett
Lindley, Charles Matlock	So. McAllister, I. T.	Gilbert H.
Lindley, John Mousley	So. McAllister, I. T.	Cooper H.
McArthur, Fred Ross	Russellville	230 W. Center

Name.	Post Office.	Boarding Place.
McDermott, Stinson	Dermott	Hill Hall
Meek, William Lee	Russellville	Buchanan Hall
Norman, Felix Augustus	Fayetteville	502 Wash.
Peer, Clyde Adelbert	Mansfield	Buchanan Hall
Pratt, Gladstone Camden	Fayetteville	C. L. Pratt's
Reynolds, William Thadeus	Ft. Smith	213 Church
Rodgers, Horace Edwin	Fayetteville	G. J. Rodgers'
Stewart, Clarence Frank	St. Louis, Mo.	Mrs. Gregg's
Wallace, Carma Evins	Nashville	
Webster, William Vashni	Siloan Spgs.	Buchanan Hall
Wells, Douglas E.	Dermott	Hill Hall
Williams, James Herman	Hot Springs	537 Leverett

Second Year Class.

Cotham, Fay Edward	Monticello	Buchanan Hall
Hicks, Olin Evins	Lonoke	Cowling's
McCloud, Benjamin Joel	Winslow	C. M. Oliver's
McCloud, William Daniel	Winslow	Oriental Hotel
Wilson, Frank	Fayetteville	R. J. Wilson's

SHORT COURSE IN MECHANICAL ENGINEERING.

Berryman, Edgar Azzie	Sulphur Spgs.	173 Hill
Bland, Benjamin Franklin	Nashville	A. J. Ballard's
Burton, Morton	Judsonia	Dan Scott's
Chism, Alva Titsworth	Paris	Mrs. Harley's
Deane, Herman Wakeman	Camden	537 Leverett
Finley, Walter	Lincoln	H. H. Cook's
Flowers, Allen Overton	Dermott	Hill Hall
Juneau, Charles	Hot Springs	537 Leverett
Larrabee, Roy Ashley	Fayetteville	Van Buren
McCoy, Carlos	Fayetteville	Leverett
Mitchell, George Washington	Greenway	Hill Hall
Moore, Carl S.	Danville	Moses Tharp's
Neely, William Leslie	Cotton Plant	Mrs. Adams'
Ross, Frank	Fayetteville	Mrs. J. H. Ross'
Simpson, Lamar L.	Camden	
Yoes, Bert	Van Buren	Buchanan Hall
		Total, 52.

THE CONSERVATORY OF MUSIC AND ARTS.

NOTE.—The following list contains the names of those students only whose major subject is taught in the Conservatory of Music and Arts. The total number of students enrolled in the classes of the Conservatory in 1905-1906 was 300, distributed as follows: vocal, 16; art, 12; instrumental, 72; elocution and physical culture, 200.

Name.	Post Office.	Boarding Place.
Anderson, Mary Heiskell	Fayetteville	E. of Univ.
Belknap, Beatrice Victoria	Sulphur Springs	173 Hill
Blackman, Lula	Fayetteville	Leverett
Bryan, Zella	Fayetteville	211 East
Cheney, Mary Louise	Bentonville	19 E. Meadow
Davis, Barbara Claire	Fayetteville	R. F. D. No. 2
Droke, Mary Inez	Fayetteville	103 Hill
Gallaway, Margaret Bell	Fayetteville	620 W. Maple
Gardner, Nell Corinne	LaCrosse	R. O. Ellis'
Haskell, Lucie	Muskogee, I. T.	Haskell's
Hicks, M. Hilda	Eureka Spgs.	Mrs. Triplett's
Hight, Stella	Fayetteville	218 N. East
Hooper, Lilian Gertrude	Fayetteville	J. M. Hooper's
Hudson, Edna Garlington	England	J. D. Jordan's
Jones, Maud	Fayetteville	N. N. Jones'
Keeny, Augusta Rothwell	Fayetteville	753 W. Dickson
Lackey, Minnie	Fayetteville	202 Spring
McCormick, Minnie Myrtle	Prairie Grove	J. J. Curry's
Mock, Lucy Byrd, M. A.	Prairie Grove	636 W. Maple
Neelly, Lila Irma	Fayetteville	213 N. Sarah
Pycatt, Bess	Viney Grove	138 Hill
Pycatt, Teen	Viney Grove	138 Hill
Thurston, Monte	Rector	W. A. Ramsey's
Van Valkenburgh, Carrie Emma	Warren	20 W. Dickson
Walker, Anna	Lowell	J. N. Tillman's
Wheelis, Ola	Strong	753 W. Dickson
		Total, 26.

THE PREPARATORY SCHOOL.

Abbreviations.—A., Arts course, leading to the B. A. course; S., Science course, leading to the B. S. course; E., Engineering course, leading to the Mechanical, Civil, and Electrical Engineering courses; T., Teacher's course; Sp., Special course; C., leading to the course in the Conservatory of Music and Arts; Agr., leading to the course in Agriculture.

Second Year Class.

Name.	Course.	Post Office.	Boarding Place.
Abbott, Thomas Oscar	A.	Farrell	Eagle
Allen, Chester Barton	E.	Paris	Buchanan Hall
Allen, Estis	A.	England	17 Hill
Allen, Ethel	S.	Farmington	Mrs. L. J. Curry's
Allen, Francis Virginia	S.	Altus, Okla.	Mrs. O. Ellis'
Alley, William Claud	A.	Mountain Home	Hill Hall
Baker, Hugh Dinsmore	E.	Fayetteville	637 Leverett
Ballard, Lydia Jane	A.	Fayetteville	Ballard's
Barnes, Ada A.	A.	Vandervort	W. Dickson
Bell, Mabel Claire	C.	Fayetteville	132 E Spring
Bills, Forest Alvin	E.	Sulphur Spgs.	Buchanan Hall
Black, Katie Elizabeth	S.	Fayetteville	740 Frisco
Black, Luney	A.	Waldron	
Black, Robert Lee	A.	Fayetteville	752 Wall
Blackford, Oscar Cleveland	A.	Walnut Ridge	Hill Hall
Blackwood, Walter J.	T.	Walcott	Mrs. Hardin's
Blair, James Hardy	E.	Decatur	Buchanan Hall
Boles, Chalmers Barnette	S.	Monticello	205 N. College
Booth, Dunlap	E.	Spiro, I. T.	629 Dickson
Brace, Lillie E.	A.	Rogers	
Brown, Charles C.	E.	Gentry	Austin's
Brown, Robert Vernon	E.	Fayetteville	213 N. East
Brownson, Sarah Elizabeth	S.	Fayetteville	Cemetery
Brunson, Ida Lula	A.	Rock Creek	4 E. Lafayette
Bryan, George Alfred	E.	Bentonville	McCoy's
Bryan, Walter Joe	E.	Bentonville	McCoy's
Campbell, Cleve Lloyd	E.	Newport	Hill Hall
Campbell, Sylvester, John	A.	Fayetteville	420 Lafayette
Cannon, Ida	T.	Goshen	113 Lafayette
Cannon, Jesse	E.	Goshen	113 Lafayette
Cash, Cecil Chadwick	A.	Texarkana	Hill Hall
Chamberlain, Roy	S.	Malvern	W. Center
Chapman, Mabel Edna	C.	Fayetteville	205 N. Church
Cheney, Pauline	C.	Bentonville	19 E. Meadow
Childress, Mary Virginia	A.	Batesville	410 College
Coffman, Asa Benjamin	A.	Russell	112 Hill
Comstock, Kennie Marcus	S.	Uniontown	Buchanan Hall

Name.	Course.	Post Office.	Boarding Place.
Conner, Bolivar William	S.	Augusta	213 Church
Connor, Verda Louise	C.	Fayetteville	Wash.
Cook, James Frank	S.	Fayetteville	J. M. Cook's
Cook, Lela	Sp.	Fayetteville	1 Mile W. U.
Cowling, Ora Mittie	C.	Cowlington, I. T.	W. Dickson
Craig, Mary Ann	T.	Kim Springs	924 W. Maple
Crawford, James Breckenridge	A.	Benton	1004 W. Center
Crawford, Henry Vance	A.	Little Rock	Buchanan Hall
Crenshaw, Clayton Lee	E.	Hartford	727 Douglas
Croom, John Andrew	S.	Dardenelle	Mrs. Raines
Crownover, John Hayden	A.	Dardenelle	18 E. Dickson
Culwell, James William	E.	Goshen	Near N. School
Dancer, William Johnson	A.	Elk City, Kan	803 W. Dickson
Davis, Mabel Alice	C.	Fayetteville	420 N. Ark.
Davis, Mabel Eloise	A.	Fayetteville	1004 W. Center
Davis, Olga	T.	El Paso	2 Duncan
Davis, Opal	T.	El Paso	2 Duncan
Davis, Raymond L.	A.	El Paso	2 Duncan
Deane, Charles Vault	E.	Fayetteville	1 1/2 miles N. W. U.
Deane, Madeleine Anderson	A.	Fayetteville	Y. F. Deane's
DeGinther, Fred	S.	Trenton	Y. F. Deane's
DeLongy, Howard Clifford	E.	Mena	537 Leverett
Dent, Strother Major	E.	Riverside	200 W. Dickson
Derryberry, Thomas Newton	A.	Winthrop	Hill
DeWitt, Charles Holman	S.	Fayetteville	Sutton
DeWitt, Francis Mosser	A.	Fayetteville	Sutton
Dodson, Harold Chandler	A.	Harrison	J. M. Chandler's
Dorough, William Thomas	A.	Little Rock	D. B. Baker's
Dotson, Katie Ella	T.	Fayetteville	S. E. part of City
Dowell, Grace	A.	Fayetteville	2 1/2 M. W. of City
Dowell, Robbie	A.	Fayetteville	2 1/2 M. W. of City
Doxey, William Pennington	E.	Berryville	Hill Hall
Dyer, Rebecca	A.	Fayetteville	West of U.
Eld, Lucy Lillian	T.	Bentonville	C. M. Tidball's
Ellison, William Lee	Sp.	Fayetteville	Country
Evatt, Hassie Clarkson	T.	Waldron	Mrs. J. J. Curry's
Farrell, Charles Morris	A.	Little Rock	409 W. Dickson
Fenton, James Andrew	A.	Chapel Hill	Buchanan Hall
Fleming, Bert Ray	E.	Hot Springs	Buchanan Hall
Ford, Reth	S.	Washburn	Arkansas Bldg.
Fowler, Charles A.	A.	Supply	79 Leverett
Fulton, Jessie Pearl	A.	Hot Springs	Cooper House
Gardner, Powell Beal	A.	LaCrosse	Buchanan Hall
Garner, William Emmett	T.	Howe	Hill Hall
George, Finis	T.	Olpha	
Gilbreath, Lucie May	C.	Fayetteville	203 N. East
Gill, James Hengus	Sp.	Warren	
Gilliland, Homer Franklin	A.	Fort Gibson, I. T.	J. T. Ernest's
Goodner, Clyde E.	A.	Oden	
Goodwin, William Jarvis	S.	ElDorado	Buchanan Hall

Name.	Course.	Post Office.	Boarding Place.
Gray, Clara Ella	A.	Batesville	Dickson & Duncan
Grubbs, William Wiley	A.	Moody	Buchanan Hall
Grundy, Archibald Marshall	A.	Fayetteville	Douglas
Guinn, Zula Marguerite	C.	Huntsville	F. Barr, Jr.'s
Hale, Marvin	A.	Hackett	112 Hill
Hall, Julien	A.	Fayetteville	212 East
Hallman, Kelly Edgar	A.	Ben Lomond	Buchanan Hall
Hardy, Andrew	A.	Ardmore, I. T.	
Harris, Ida Flora	T.	Bryant	746 Douglas
Harrison, John C.	E.	Pine Bluff	1004 W. Center
Haskell, James Miller	E.	Fayetteville	Haskell's
Hausotte, Ernest Fredreick	E.	Sulphur Springs	Hill Hall
Hodges, James W.	A.	Quitman	J. H. Reynolds'
Hon, Lucy	A.	Waldron	746 Douglas
Honey, Albert Monroe	T.	Finch	Mrs. J. M. Hardin's
Horne, Jack Francis	E.	Hot Springs	Buchanan Hall
Horton, Edward Oscar	A.	Elm Springs	112 Hill
Huffman, Annie Virginia	C.	Bentonville	P. W. Melton's
Hughey, Albert Bryson	A.	La Grange	629 W. Dickson
Hughes, Harry L.	S.	Fayetteville	531 N. College
Hughes, Jack Lewis	A.	Waldron	Leverett
Hughes, John Jackson, Jr.	Sp.	Haynes	Hill Hall
Hughes, Thomas Lafayette	T.	Mt. Pisgah	Rock & Locust
Hughes, Verda	C.	Fayetteville	Mrs. J. R. Hughes'
Hughes, William Herschel	A.	Whitener	Mrs. Portnell's
Humphries, Hugh Harrison	A.	Fayetteville	N. College
Huntley, Philip	E.	Kirkland	Buchanan Hall
Hurley, Thomas Drew	S.	Pawhuska, Okla.	McCoy's
James, Elsie Adalaide	T.	Fayetteville	Mrs. Holcomb's
James, Rex Esmerald	E.	Fayetteville	S. O. James'
Jarrell, Foster	A.	Junction	Buchanan Hall
Johnson, Clyde	A.	Fayetteville	521 N. College
Johnson, James Madison	S.	Atlants	Cowling's
Johnston, Wilmar Samuel	E.	Mena	740 W. Maple
Johnston, Silvy Jay	S.	Auvergne	Hill Hall
Kavanaugh, William Marmaduke	E.	Little Rock	409 Dickson
Kelley, Eugene Blaunt	E.	Mena	603 N. Leverett
Kemp, James Wallace	A.	Hot Springs	Buchanan Hall
Kindley, Lena	A.	Gravette	Frisco
Kitchens, Herschel Monroe	A.	Waldo	Buchanan Hall
Kunz, Clifford Harrison	E.	Fayetteville	G. A. Kunz's
Kunz, Gladys Iraminta	A.	Fayetteville	G. A. Kunz's
Lane, Alba Brinton	A.	Bone	148 Hill
Lee, Shelly Hewen	A.	DeQueen	Buchanan Hall
Leeper, Frederick Jackson	A.	Lockesburg	Buchanan Hall
Lucker. Traugott Friedrich	A.	Dover	Hill Hall
Louis, Clifford Adair	A.	Fayetteville	409 Dickson
Maguire, Audie	S.	Fayetteville	G. H. Maguire's
Maguire, Nellie Josephine	A.	Fayetteville	G. H. Maguire's
Martin, George Fred	A.	Little Rock	409 Dickson

Name.	Course.	Post Office.	Boarding Place.
Martin, Herbert Bradley	A.	Warren	W. Center
Martin, Lancelot Reynolds	A.	Fayetteville	311 N. East
Martin, Eleanor Dugdale	C.	Fayetteville	N. W. of U. of A.
Mathis, Hugh Franklin	A.	Granniss	Buchanan Hall
Maxwell, Thomas Joshua	T.	Gentry	Cowling's
McCartney, Marie	A.	Fayetteville	W. S. McCartney's
McCartney, Mary Isabel	A.	Fayetteville	A. McCartney's
McCarty, Ralph L.	E.	Fayetteville	17 N. Block
McCord, Walter	A.	Waldron	Hughes'
McGregor, Josie Ernestine	A.	Lead Hill	Dan Bohart's
McMillan, Eula	Sp.	Pine Bluff	403 N. West
Metcalf, Dayton P.	E.	Elk City, Kansas	W. Dickson
Millee, Maud	T.	Jenny Lind	415 Wash.
Mitchell, Allie May	S.	Fayetteville	Mrs. M. E. Mitchell
Mock, Genevieve	C.	Fayetteville	J. E. Mock's
Monk, Carl	E.	Pine Bluff	W. Dickson
Moon, Van Tyson	E.	Kirkland	Buchanan Hall
Moore, Nita	A.	Fayetteville	735 W. Dickson
Morgan, William Graves	E.	Magnolia	Buchanan Hall
Morton, Lena	C.	Fayetteville	W. H. Morton's
Morton, Julia	A.	Fayetteville	W. H. Morton's
Munn, William Henry	A.	Bodcaw, Nev.	640 Leverett
Mustain, Asa Boydston	T.	Elm Springs	15 S. West
Nall, Lee	E.	Sheridan	Buchanan Hall
Nesbit, Zoie Pauline	C.	Fayetteville	420 N. College
Nordlinger, Algernon Sidney	S.	Brinkley	227 N. Maple
Norvell, Grover	S.	Hagarville	
Nutt, William Granville	A.	Lorado	Mrs. Hardin's
Oakley, Floy Anne	A.	Rogers	Mrs. J. F. Mayes'
Oliver, Leila Ruth	A.	Fayetteville	C. M. Oliver's
Oliver, Nora Catherine	T.	Clifty	Mrs. Nolen's
Overholt, Anna Helen	T.	Fayetteville	1 Mile S. of City
Patton, Aaron Pinckney	A.	Archey	J. C. Anderson's
Phillips, Mack Rodgers	A.	Gravette	Dr. J. S. Reed's
Plemmons, Lee	S.	Oden	W. N. Gladson's
Portis, Beulah Lucia	S.	Fayetteville	173 S. Hill
Pye, Walter David	A.	Sweet Home	637 Leverett
Rader, Hattie	C.	Fayetteville	732 Douglas
Rairdon, Elzie L.	A.	Gentry	Mr. Palmer's
Ray, James Andrew	A.	Sulphur City	S. Washington
Reed, John Alvis, Jr.	A.	Fayetteville	304 N. College
Renick, Roy	E.	Fayetteville	W. W. Renick's
Rhea, Powell McLellan	E.	Fayetteville	R. J. Rhea's
Roberson, Clara	C.	Monett, Mo.	620 Ida
Robinson, Robert Newmuan	S.	Cowlington, I. T.	Mrs. Beckett's
Rorie, George Chiller	A.	Retreat	173 S. Hill
Rotan, Claudine	T.	Lake Village	Mrs. Boyd's
Rye, Sam Houston	A.	Silex	1004 W. Center
Sanders, Lucy	C.	Fayetteville	446 N. West
Sedwick, Bessie North	A.	Fayetteville	342 St. Clair

Name.	Course.	Post Office.	Boarding Place.
Shannon, Charles Grady	A.	Fayetteville	N. College
Shannon, Mary Etoile	Sp.	Fayetteville	N. College
Shannon, Sam A.	A.	Henrietta, I. T.	16 Duncan
Shelton, Walter Clyde	Sp.	Grays	Buchanan Hall
Shipley, Robert Earl	E.	Huntington	Hill Hall
Shook, Charles Harrison	E.	Fayetteville	119 Hill
Simmons, Claudine	A.	Fayetteville	Washington
Sims, Harry	S.	Stigler, I. T.	W. Dickson
Sloan, Paul	A.	Imboden	Smith's
Slocum, Allen Leslie	E.	Elk City, Kan.	Buchanan Hall
Smead, Lamar Bunn	A.	Camden	Gregg House
Smith, Henry Thomas	A.	Fayetteville	14 Duncan
Smith, Ida Walker	A.	Fayetteville	16 Duncan
Snell, Merrill Forester	E.	Gaither	Buchanan Hall
Sparkman, Ruth Ellen	C.	Sterling City, Tex.	230 W. Center
Spaulding, Grace Butler	C.	Muskogee, I. T.	614 W. Dickson
Spaulding, Homer Owen	A.	Muskogee, I. T.	614 W. Dickson
Stephens, Harry Dowell	A.	Newport	23 College
Stone, Ernest Earl	S.	Nocona, Texas	
Strait, Claud	T.	Alpha	Goddard's
Stubblefield, Etalle	A.	Cassville, Mo.	Nettleship's
Taylor, Joe	A.	Augusta	Mrs. Neely's
Terry, Francis Allen	S.	Little Rock	20 E. Dickson
Thomas, John Archibald	T.	Magnolia	Buchanan Hall
Thompson, Otis Eugene	S.	Fayetteville	Washington
Tidball, Sue	A.	Fayetteville	Dickson
Tucker, Moseley Clarence	S.	Magazine	O. H. Tucker's
Turner, Delia	A.	Fouke	J. W. Rief's
Turner, Sterling Aubry	A.	Hardy	640 Leverett
Vaughan, James Henry	T.	Emerson	Buchanan Hall
Wadley, James Lintern	A.	Hot Springs	218 College
Wadley, Robert Brown	S.	Hot Springs	218 College
Wassell, Lynn	A.	Little Rock	Hill Hall
Watkins, Charles Troy	S.	Harrison	J. O. George's
West, Sam Earl	E.	Lavaca	Hill Hall
Whyte, Horace	E.	Pine Bluff	727 Douglas
Wheeler, Samuel Burke	T.	Lincoln	15 N. Duncan
Wier, Howard B.	E.	Ft. Smith	820 Douglas
Wiggins, Presley Hicks	E.	Pinckney	
Wiggins, Thomas Claud	S.	Purdy	Mrs. Portnell's
Williams, Addie Louise	A.	Fayetteville	310 Washington
Williams, Carrie Marie	C.	Fayetteville	A. W. Williams'
Williams, Hosea Lafayette	Sp.	Fayetteville	Washington
Williams, James Phileman	A.	Fayetteville	348 Washington
Williams, John Rogers	A.	Gurdon	Buchanan Hall
Williams, Morris Clifton	E.	Fayetteville	J. D. Williams'
Williams, Walter Quincy	E.	Brentwood	A. W. Williams'
Willis, John Edmund	S.	Little Rock	Hill Hall
Wilson, Charles Newton	E.	Cabot	Buchanan Hall
Wilson, William Albert	A.	Hampton	Mrs. Ross'

Name.	Course.	Post Office.	Boarding Place.
Wilson, Nellie Dickson	A.	Fayetteville	603 Leverett
Winters, Curtis Richardson	A.	Ft. Smith	Mrs. Brownfield's
Wood, Ruth	A.	Fayetteville	Dr. H. D. Wood's
Woodruff, Ethel Sophia	C.	Rhea	Hill
Wooldridge, Harry Tucker	A.	Pine Bluff	Gregg House
Yates, William N.	E.	Fayetteville	Dr. W. N. Yates'
			Total, 243

First Year Class.

Adkinson, Willis B.	A.	Mena	603 N
Aiken, Edward Martillia	A.	Dardanelle	Buchanan Hall
Allison, Sam	S.	Fayetteville	E. M. Allison's
Andrix, Annie Maurine	S.	Fayetteville	G. A. Andrix's
Armstrong, Fred	E.	Fayetteville	Prairie
Aston, James Edward	A.	Harrisburg	112 Hill
Attibury, Ollie	T.	Keota, I. T.	402 N. College
Babb, Walter Preston	A.	Waldo	Buchanan Hall
Barry, William Taylor	A.	Fayetteville	N. College
Bashe, Bertha	A.	Monett, Mo.	129 W. Lafayette
Basset, James Washington	A.	Elkins	Collins'
Baum, Leah Cecil	C.	Fayetteville	337 N. College
Beauchamp, Earl R.	E.	Fayetteville	211 Dickson
Bell, Carl K.	S.	Fayetteville	C. H. Bell's
Bell, Robert Fielding	E.	Fayetteville	132 E. Spring
Bentley, Fern	A.	Vale	Ralston
Bernard, Lynette	A.	Ft. Smith	
Biggs, Fred I.	S.	Monticello	Buchanan Hall
Blackwell, Robert Charles	A.	Barfield	
Bolling, Falls N.	S.	Monticello	Buchanan Hall
Bond, Sidney Charles	E.	McCurtain, I. T.	17 Hill
Bost, James Vernon	E.	Fayetteville	106 Leverett
Bradford, Clarence Grey	T.	Pine Bluff	J. M. Ballard's
Breen, Augustine Mary	A.	Ft. Smith	J. Bates'
Brooks, Guy Lafayette	A.	Broken Arrow, I. T.	T. C. Skaggs'
Brotherton, William Robert	A.	Charleston	Mrs. Ross'
Broyles, Earl	E.	Farmington	D. Broyles'
Broyles, LeRoy	E.	Fayetteville	726 W. Center
Bruce, Maude L.	T.	Durham	2 University
Buckalew, Ira Lee	T.	Slocomb	
Burgin, William Dickson	E.	Fayetteville	22 Meadow
Buttram, Phoebe	A.	Fayetteville	City Park
Cannon, Margaret	C.	Fayetteville	22 N. East
Carl, Albert Henderson	A.	Siloam Springs	Austin's
Carr, Susye	T.	Prairie Grove	A. C. Bean's
Carter, Bessie	C.	Fayetteville	N. of Univ.
Carter, Witte	E.	Durham	
Chapman, Sue Elizabeth	C.	Fayetteville	104 East
Charlesworth, Claud	E.	Fayetteville	Willow
Chester, Carroll Wood	E.	Fayetteville	N. W. Univ.
Church, Felix	E.	Sulphur Spgs.	727 Douglas
Clark, Grace Adaline	A.	Goshen	J. Frost's

Name.	Course.	Post Office.	Boarding Place.
Clark, Ruby Ellena	S.	Goshen	J. B. Shannon's
Clayton, Jasper Marshall	A.	Hardy	Mr. Crouch's
Cocke, Nannie Brashear	S.	Marianna	Mrs. Brownfield's
Coleruan, Edward B.	S.	Kensett	
Collins, Archie	E.	Durham	Mrs. Boles'
Collins, Inez Elizabeth	A.	Winslow	J. H. Reynolds'
Collins, James E.	E.	Hazen	136 Hill
Cook, Eli Thomas	Agr.	Fayetteville	J. M. Cook's
Cook, Leila Maude	C.	Fayetteville	J. M. Cook's
Cook, Sterling Dempsey	A.	Allene	Buchanan Hall
Cox, Mary James Turner	A.	Fayetteville	7½ Block
Cox, Nellie Morris	A.	Fayetteville	7½ Block
Craig, Irene Amelia	T.	Van Buren	138 Hill
Dale, Harrison Penn	E.	Augusta	Mrs. Neelly's
Davidson, Albert	A.	Muskogee, I. T.	
Davidson, Oma	T.	Fayetteville	J. S. Davidson's
Davis, Henry Albert	A.	Marcella	Buchanan Hall
Davis, Talton	A.	Fayetteville	1004 W. Center
Day, Harold	E.	Fayetteville	Howard Gay's
Denham, Charles Henry	E.	Fayetteville	105 College
Dennis, Ralph	A.	Dardanelle	Mrs. Becket's
Dickinson, Clermont	A.	Horatio	Buchanan Hall
Dickson, Ernest	A.	Rogers	Buchanan Hall
Duncan, William Wirt	E.	Westville, I. T.	J. D. Portis'
Earnest, Ray L.	E.	Fayetteville	627 Leverett
Edwards, John Richard	A.	Evening Shade	Greenhouse
Eilbott, Reginald	E.	Pine Bluff	112 Hill
Elder, Vaiden Dorris	T.	Culleoka, Tex.	Hill Hall
Ellis, Earl	E.	Fayetteville	Dr. Ellis's
Ellison, Clara	A.	Fayetteville	N. W. of Univ.
Erwin, Jane	A.	Ada, I. T.	644 W. Maple
Erwin, Mary Hall	A.	Ada, I. T.	644 W. Maple
Evins, Mary J.	A.	Fayetteville	N. of Univ.
Evins, Thaddeus White	E.	Fayetteville	N. of Univ.
Fawcett, Doris Polo	A.	Ben Lomond	Buchanan Hall
Fogleman, John Franklin	A.	Memphis, Tenn.	116 S. Church
Ford, Albert B.	A.	O'Kean	311 N. East
Francis, Edward Horton	E.	Salisaw, I. T.	429 Wash.
Fultz, James Edward	A.	Eagle Mills	Mrs. Beckett's
Gaines, Dixon Trotter	A.	Lake Village	325 Lafayette
George, Frank	E.	Fayetteville	T. George's
Gillespie, Curtis H.	E.	Hazen	Gilbert House
Gladson, Hazel	A.	Fayetteville	820 W. Maple
Gollaher, Lottie	A.	Fayetteville	Sam Gollaher's
Goodwin, Maufflet Clyde	S.	McMurrain	
Goss, Alpha Loyd	E.	Fayetteville	217 W. Meadow
Gould, Carrie	A.	Noble Lake	Mrs. Brownfield's
Greathouse, William David	A.	Johnson	N. School
Green, Thomas Andrew	A.	Mineral Spgs.	Buchanan Hall
Greer, James Richard	E.	Fayetteville	B. F. Greer's

Name.	Course.	Post Office.	Boarding Place.
Gregg, Lafayette Ham	S.	Fayetteville	L. W. Gregg's
Gregg, Mildred Loise	A.	Fayetteville	Dr. A. S. Gregg's
Gregory, Byrd	E.	Jonesboro	Buchanan Hall
Gresham, Sam Nathaniel	E.	Eagle Mills	Mrs. Beckett's
Gresham, Voy		Pine Bluff	Mrs. Ballard's
Griffin, Wallie B.	A.	Oakland	203 W. Dickson
Grissom, Nora M.	A.	Fayetteville	J. H. Grissom's
Gulley, Viola Emma	A.	Fayetteville	322 St. Charles
Gustavus, Frederick Louis	A.	Moro	Frisco
Hagins, John	S.	Star City	727 Douglas
Hale, Willie	A.	Oak Grove	Young's
Hall, Millard Zachry	A.	Mulberry	Buchanan Hall
Hall, Sarah E.	T.	Holly Grove	740 W. Maple
Hall, Sarah Virginia	C.	Fayetteville	212 East
Haley, Mary Iva	Sp.	Fayetteville	16 S. West
Hamilton, Andrew Claude	A.	Fayetteville	A. C. Hamilton's
Harding, Eugene Wilson	A.	Fayetteville	357 Wash.
Harper, Ethel Louise	A.	Prairie Grove	99 Hill
Hart, George W.	A.	Hindsville	Washington Hotel
Harkreader, Thomas Luke	A.	Clarksville	Mrs. Cowling's
Harris, James Lee	T.	Fayetteville	D. B. Harris'
Harris, Emmett Alexander	A.	Corinth	Mrs. Elliston's
Harris, Fannie May	T.	Fayetteville	D. B. Harris'
Harris, Mary Eutha	A.	Fayetteville	Harris'
Hayman, Etta	A.	Oakfuskee, I. T.	Pratt's
Hedrick, Grace Myrtle	A.	Fayetteville	Herricks'
Henry, Frank Tillar	Agr.	McGehee	17 Hill
Hickey, Vienna	S.	Fayetteville	Leverett
Hilt, George William	E.	Fayetteville	313 Lafayette
Hobbins, Fred Henry	T.	McKinney, Tex.	Boswell House
Housman, George Finis	S.	Princeton, Texas	
Hudgins, Harvey Zeno Ross	Agr.	Fayetteville	H. M. Hudgins'
Hudgins, Jo Florence	A.	Mena	109 Rock
Isaacs, Philip Lesser	S.	Forrest City	629 W. Dickson
Jackson, Martha	T.	Fayetteville	Jackson's
James, Lewis Lee	Agr.	Searcy	Melton's
James, Roy Ballard	E.	Fayetteville	S. O. James'
Jarnigan, Tollie	T.	Huntsville	Mrs. Brownfield's
Jeffus, Adam Roy	Agr.	Camden	J. M. Ellison's
Jenkins, Ethel Ozeat	A.	Fayetteville	N. S. Jenkins'
Jenkins, Jeff Pollard	E.	Fayetteville	N. S. Jenkins'
Johnson, Amy Dayton	A.	Fayetteville	M. V. Johnson's
Johnson, Thomas L.	S.	Paden, I. T.	Mrs. Ross'
Jones, Carl	C.	Paris	
Jones, Dudley	A.	Mena	603 Leverett
Jones, Gertie Flora	A.	Durham	103 School
Jones, Willie	A.	Fayetteville	School & Center
Kantz, Nellie Welch	A.	Fayetteville	E. Univ.
Keys, Campbell Taylor	E.	Coffeyville, Kan.	17 Dickson
Killgore, Pearl Maudie	T.	Fayetteville	Leverett

Name.	Course.	Post Office.	Boarding Place.
Kindley, Wendell Hugh	S.	Gravette	P. W. Melton's
King, Bennie T.	A.	Harrison	18 E. Dickson
Kitchens, Luther Cly	S.	Waldo	Buchanan Hall
Kocourek, Frank Joseph	S.	Hazen	136 Hill
Kuykendall, Ermer	A.	Jonesboro	
Lavalier, Clarence	S.	Miami, I. T.	
Lawson, Alva Lilian	A.	Fayetteville	433 N. College
Lee, Joseph Marvin	E.	Lake Village	104 East
Leftwich, Vollie	S.	Magazine	629 W. Dickson
Lehman, Roy	S.	Fayetteville	J. Lehman's
Leverett, Fred Percival	A.	Fayetteville	Leverett
Lewis, John Aden	Sp.	Lewisville	Buchanan Hall
Little, John Floyd	A.	Lavaca	
Love, George Thomas	S.	Alma	J. C. Love's
Lucas, Charles Thomas	S.	Dublin	Tilley's
Lyghtle, Erskin	S.	St. Charles	623 N. Whitam
Lynch, Addie Bell	T.	Harman	740 W. Maple
Lynn, Agnes	A.	Fouke	322 St. Charles
MacCune, Harold Frederic	E.	Fayetteville	School & Prairie
Major, Homer	E.	Fayetteville	E. V. Major's
Marlow, Mattie	S.	Fayetteville	312 School
Martin, Robert Murray	E.	Fayetteville	521 Leverett
Mayes, Ethel Esther	A.	Goshen	803 W. Dickson
Mayes, Othel Otis	A.	Goshen	John Mayes'
McAdams, Marie Julia	C.	Fayetteville	201 E. Dickson
McAlexander, Mettie Alvesta	S.	Fayetteville A.	B. McAlexander's
McAnally, James Bennette	E.	Elm Springs	J. C. Stanford's
McCarter, Johnnie Franklin	A.	Maple	Joe Young's
McCauley, Bessie Ruth	C.	Fayetteville	G. H. McCauley's
McCloud, John Thomas	E.	Winslow	Oriental Hotel
McClure, Sam Morgan	E.	Cane Hill	325 W. Lafayette
McCoy, Helen	A.	Fayetteville	John McCoy's
McCuen, Quintin	A.	Hazen	Scott's
McDaniel, Laura	A.	Ada, I. T.	644 W. Maple
McDonald, Edward F.	E.	Sheridan	Buchanan Hall
McIlroy, William Hayden	E.	Fayetteville	Garland & Dickson
McKinney, Otho Finton	E.	Fitzhugh	17 Hill
McNamara, Pattie Irene	A.	Fayetteville	W. Dickson
Meacham, Edna Matilda	A.	Fayetteville	Frisco
Medearis, Park Hinds	A.	Westville, I. T.	Portis House
Milford, Clinton George	S.	Ben Lomond	Buchanan Hall
Miller, Mattie	C.	Moro	138 Hill
Minturn, Benjamin Bonny	A.	Elkins	W. College
Miser, Cora Dot	A.	Rogers	Mrs. S. Buttram's
Moore, Harris	A.	Fayetteville	Mrs. M. C. Moore's
Moore, Katherine	A.	Fayetteville	207 W. Lafayette
Morton, Grace	A.	Farmington	Cor. Spring & School
Morton, James Herbert	E.	Fayetteville	512 Washington
Moulden, Hattie	A.	Fayetteville	W. P. Moulden's
Nelson, Robert Adams	A.	Buford	Hill Hall

Name.	Course.	Post Office.	Boarding Place.
Nettleship, J. C.	E.	Fayetteville	J. W. Nettleship's
Nicholson, Jesse Washington	T.	Swifton	Anderson House
Nicks, Hubert Archie	A.	Pocahontas	A. M. Nicks'
Nicks, Ruth	T.	Pocahontas	A. M. Nicks'
Nolen, Hugh John	A.	Dublin	15 Douglas
Oliver, Georgia Louise	A.	Fayetteville	C. M. Oliver's
Oliphint, Leslie	S.	Little Rock	Ellison's
Parker, Frank J.	T.	Hamburg	J. W. Parker's
Patterson, Roger	E.	Keokuk, Okla.	
Peck, Louise	C.	Fayetteville	702 W. Maple
Peoples, St. Clair Joseph	E.	McGehee	Anderson House
Perkins, Fannie Bell	T.	Lavaca	T. L. Bates
Perry, William Ledger	A.	Waldo	Buchanan Hall
Porter, Henry Otis	Agr.	Fayetteville	H. C. Porter's
Porter, Lee Vernon	E.	Fayetteville	H. C. Porter's
Rader, Gertrude E.	C.	Fayetteville	E. J. Rader's
Read, Laura	Sp.	Fayetteville	Dr. J. S. Read's
Reed, Annie Elizabeth	T.	Fayetteville	620 Maple
Reed, Ernest	T.	Ada, I. T.	611 Leverett
Reed, Jack	E.	Fayetteville	J. C. Reed's
Reed, Lewis	E.	Johnson	830 W. Dickson
Reed, Norman Bates	A.	Fayetteville	J. A. Reed's
Reed, William Land	E.	Gregory	Buchanan Hall
Renick, Ethel Louise	T.	Fayetteville	W. W. Renick's
Rehm, Frank	E.	Fayetteville	J. Rehm's
Riggs, Sherman Logan	S.	Springdale	Rader Hotel
Robinson, Samuel O.	A.	Mena	Mrs. Beckett's
Rodgers, Clyde S.	S.	Prairie Grove	Jos. Frost's
Roper, Cy. R.	E.	Hudspeth	
Roach, Herbert Ernest	E.	Marianna	Dr. Harris'
Roseborough, Lena	A.	Afton, I. T.	
Sanders, Hugh Wilber	E.	Sulphur Spgs.	415 N West
Sanderson, Clifford Elmer	E.	Fayetteville	Lindell
Sedwick, Frank	E.	Fayetteville	342 St. Charles
Sharp, Nora Jane	T.	Fayetteville	331 S. Locust
Shaver, Bishop Earl	A.	Charleston	322 Ralston
Shaver, Oscar Lionel	S.	Ingram	Buchanan Hall
Shelton, Agnes Deane	A.	Fayetteville	531 Washington
Sherry, Roy Smith	E.	Fayetteville	201 S. School
Simmons, Margaret Eloys	A.	Fayetteville	531 Washington
Sims, Walter	A.	Wilmer	820 Douglas
Sloan, Ethel Helen	A.	Fayetteville	246 East
Smilie, Charles Oscar	E.	Leslie	Buchanan Hall
Smith, Lucy B.	A.	Farmington	740 W. Maple
Smith, Minnie Lee	A.	Roseville	W. A. Ramsey's
Smith, Ruby Myers	A.	Fayetteville	16 Duncan
Smith, Verg	A.	Fayetteville	W. College
Southworth, James Richard	A.	Fayetteville	Dr. Southworth's
Snyder, Lee Leonard	E.	Fayetteville	T. J. Snyder's
Srum, James Monroe	T.	Pine Tree	Mrs. Ross'

Name.	Course.	Post Office.	Boarding Place.
Stamps, Clyde Earl	A.	Van Buren	Robinson's
Stearns, Nell	C.	Fayetteville	Mrs. A. L. Stearns'
Stillson, Dwight Leander	E.	Greenwood	15 Douglas
Stone, Malvina	C.	Fayetteville	W. C. Stone's
Stone, William Dudley	S.	Fayetteville	L. B. Sore's
Strahan, Herbert	E.	Stony Point, I. T.	322 Ralston
Stubblefield, Claude B.	E.	Cassville, Mo.	803 W. Dickson
Stuckey, Marguerite	C.	Muskogee, I. T.	Gilbert House
Suttle, Hugh Dowell	S.	Fayetteville	319 W. Mountain
Sutton, George	E.	Fayetteville	121 W. Dickson
Tarter, Oscar Joseph	E.	DeValls Bluff	136 Hill
Thatch, Annie Pope	A.	Fayetteville	E. K. Mummert's
Thatch, William Henderson	E.	Fayetteville	E. K. Mummert's
Thompson, Joseph Herbert	S.	Alpin	155 West
Thompson, Iris	T.	Fayetteville	355 N. West
Thompson, William Allmon	S.	Henrietta, I. T.	So. Hotel
Tilley, Harris Bennett	A.	Lincoln	15 N. Duncan
Tilley, Irene	C.	Fayetteville	Fee Tilley's
Tilley, Robert Floyd	A.	Rhea	Duncan
Tillman, Kathleen	C.	Fayetteville	421 N. College
Tolliver, James Alphonso	Agr.	Summit	
Turner, James	E.	Canadian, I. T.	Jordan's
Turner, John Benjamin	E.	Canadian, I. T.	Jordan's
Ucker, Edward J.	A.	Fayetteville	H. C. Ucker's
Vance, Buena Vista	A.	Fayetteville	C. Vance's
Vestal, Grace Beryl	A.	Statler	247 Ralston
Vestal, Mamie Latetia	A.	Statler	247 Ralston
Wade, Jessie	C.	Fayetteville	11 W. Dickson
Wagner, Fred Lanier	A.	Mulberry	Dickson
Waskom, Jesse Green	S.	Marked Tree	
Wasson, Fred Newton	E.	Gentry	227 N. Maple
Webb, Elmer Lee	T.	Martinville	T. Williams'
Weber, Pearl Bethinia	A.	Lincoln	103 School
Wells, A. D.	E.	Portland	727 Douglas
West, Charles Lee	E.	Barton	629 W. Dickson
West, Gertrude	T.	Fayetteville	644 W. Maple
West, John Andy	S.	St. Charles	623 N. Whittemore
West, Ruby	A.	Fayetteville	644 W. Maple
Wetherton, Grover Cleveland	A.	Dublin	Ellison's
Wharton, Leonard Arthur	E.	Eagle Mills	Mrs. Beckett's
Wheatly, Roy C.	E.	Hazen	136 Hill
Whittmore, Leora Francis	A.	Fayetteville	416 Washington
Whittmore, Lulu	A.	Fayetteville	416 Washington
Whitaker, Ernest L.	A.	Stuart, I. T.	322 Ralston
Whitty, Anna Stella	A.	Piney	631 Leverett
Whitty, Emily	A.	Piney	621 Leverett
Wight, Eleanor H.			
Williams, Bessie May	S.	Fayetteville	18 Dickson
Williams, Jeff Hoyt	E.	Fayetteville	18 Dickson
Williams, P. L.		Fayetteville	

Name.	Course.	Post Office.	Boarding Place.
Williams, William Sidney	S.	McKinney, Texas	15 S. West
Williamson, Leroy Pittman	E.	Fayetteville	E. Dickson
Wilson, James Coswell	A.	Little Rock	Gregg House
Wilson, Lena Grace	S.	Fayetteville	603 Leverett
Wilson, Robert Irving	T.	Gentry	Anderson House
Wilson, Thomas Reed	E.	Ola	Buchanan Hall
Wolf, Bessie Pauline	C.	Paris	Mt. Nord
Wolf, Harry Harrison	A.	Paris	Arkansas Bldg.
Wood, Wade Lester	E.	Fayetteville	H. M. Wood's
Woosley, Hattie	A.	Fayetteville	J. A. Woosley's
Wright, John L.	A.	Fayetteville	W. Wright's
Wright, Sam	T.	Camden	H. H. Cook's
Zufall, Lula Maud	T.	Van Buren	357 College
			Total, 304.

MEDICAL SCHOOL.

Achard, M. M.	Brumbelow, A. L.	Garland, W. D.
Adams, A. V.	Burge, J. W.	Garner, W. M.
Adams, J. L.	Burgess, F. J.	Gillum, A. D.
Adams, T. L.	Burnett, Ernest.	Glover, A. J.
Allen, Chas.	Burton, R. F.	Glover, R. A.
Allen, R. C.	Casada, B. F.	Goodwin, Wm.
Baines, Swartz.	Cates, T. H.	Gower, J. E.
Bates, T. J.	Colay, J. H.	Gray, C. R.
Bearden, Fred.	Cottrell, W. P.	Gray, D. W.
Beasley, H. S.	Couch, W. P.	Gray, E. M.
Berry, B. M.	Cowan, Riley.	Gray, L. C.
Bevill, S. D.	Davenport, A. L.	Green, B. F.
Black, W. H.	Davenport, G. M.	Griffen, E. P.
Blakely, G. W.	Denton, R. F.	Gulley, L. C.
Blout, W. T.	Dick, W. S.	Hall, R. J.
Boen, A. L.	Dillard, J. A.	Hardy, J. T.
Bogart, H. D.	Dixon, C. B.	Hartsell, R. L.
Bohannon, Jno.	Dixon, E. M.	Henderson, Thad.
Bollinger, W. H.	Dooley, J. B.	Hendrix, A. J.
Booner, F. A.	Downs, J. H.	Hester, A. C.
Bradley, I. L.	Drennon, A. T.	Hodges, E. E.
Branscum, Sherman.	Duncan, W. D.	Holloway, W. R.
Bray, T. L.	Elton, Albert.	Hope, O. W.
Britt, J. B.	Fair, E. N.	Horton, Neal.
Brown, E. J.	Fendley, E. G.	Hunter, O. L.
Bruce, W. H.	Fowler, Arthur.	Ingram, E. M.

Jewell, I. H.	McGraw, S. J.	Simms, A. J.
Johnson, Hugh.	McKinney, A. T.	Simpson, W. S.
Johnson, S. C.	McNeil, M. P.	Smith, F. D.
Jones, J. R.	McPherson, W. G.	Smith, H. H.
Jungkind, B. F.	McRae, W. M.	Smith, S. E.
Jurgessen, J. H.	Nelson, F. L.	Sneed, R. H.
Keeter, P. H.	Newkirk, C. H.	Staton, J. W.
Keeley, O. R.	Norvell, G. B.	Stidham, J. H.
Kessinger, J. S.	Nowlin, W. A.	Stiles, G. S.
King, Edgar.	Oliver, R. B.	Stover, G. C.
King, H. C.	Pate, J. C.	Sullivan, E. L.
King, R. R.	Peeler, C. M.	Tate, Alvie.
Kubale, Edward.	Pennington, J. A.	Thompson, A. P.
Lamb, W. A.	Perry, J. T.	Thompson, H. F.
Lewallen, W. N.	Pittman, W. G.	Tipton, W. C.
Linzy, C. B.	Porter, M.	Tucker, C. C.
Long, Miss W. E.	Powell, P. R.	Turner, L. M.
Mabry, Tom.	Price, P. M.	Wadley, B. L.
Manley, R. N.	Ray, J. A.	Wadley, L. D.
Martin, A. R.	Reagan, L. D.	Watkins, G. E.
Mason, J. J.	Reiden, J. E.	Watson, C. A.
Mathews, E. L.	Reed, C. C.	Wayne, J. R., Jr.
Maxey, N. C.	Robertson, A. B.	West, J. I.
Maxwell, R. L.	Robinson, G. M.	Whaley, E. S.
May, J. R.	Rogers, W. S.	White, L. W.
Mayfield, A. M.	Rollans, H. G.	Wilkes, E. H.
Mitchell, J. D.	Row, G. C.	Wilson, H. O.
Mooney, Leon.	Rushing, F. E.	Woodul, T. W.
Mooney, W. H.	Sanders, Y. V.	Woolford, W. S.
Morton, E. L.	Shamblin, D. W.	Youmans, H. D.
McClure, P. L.	Sickler, L. N.	Young, E. T.
		Total, 171.

LAW SCHOOL.

Junior Year.

Akers, W. G.....	Little Rock, Ark.
Bayliss, T. E.....	Little Rock, Ark.
Bratton, G. C.....	Marshall, Ark.
Brickhouse, B. D.....	Little Rock, Ark.
Burt, W. L.....	Alread, Ark.
Cammack, W. D.....	Little Rock, Ark.
Dobyns, A. W.....	Jackson, Miss.
Downie, E. B.....	Topeka, Kan.
Gardner, E. B.....	Beebe, Ark.
Gray, J. G.....	Batesville, Ark.
Grubbs, J. M.....	Wilmar, Ark.
Heard, S. D.....	Little Rock, Ark.
Hillis, J. O.....	Mariana, Ark.
Hudgins, O. W.....	Harrison, Ark.
Jacobs, Clark	St. Louis, Mo.
Marshall, Harry E.....	Mansfield, Ark.
Morris, W. L.....	Lonoke, Ark.
Norton, D. A.....	Chicago, Ill.
Pittard, F. B.....	Little Rock, Ark.
Pollard, A. S.....	Little Rock, Ark.
Rose, W. R.....	Little Rock, Ark.
Rouse, H. E.....	Little Rock, Ark.
Sprick, J. B.....	Little Rock, Ark.
Spriggs, E. L.....	Fort Towson, I. T.
Summers, T. O.....	Memphis, Tenn.
Tuggle, Ernest E.....	Little Rock, Ark.

Senior Year.

Abercrombie, J. S.....	Benton, Ark.
Chamberlin, Horace	Vicksburg, Miss.
Cooper, A. R.....	Little Rock, Ark.
Dunaway, M. E.....	Conway, Ark.
Gray, Harry	Little Rock, Ark.
Hale, Harry C.....	Little Rock, Ark.
Irby, A. S.....	Blackrock, Ark.
Lefler, G. F.....	Scotland, Ark.
Lloyd, W. K.....	Little Rock, Ark.
Mack, Ira J.....	New Port, Ark.
McConnell, G. A.....	Little Rock, Ark.

Rector, W. H.....	Gillham, Ark.
Reed, J. B.....	Lonoke, Ark.
Riffel, C. K.....	Little Rock, Ark.
Scougale, A.....	Little Rock, Ark.
Streepey, J. P.....	Hot Springs, Ark.
Townsend, Wallace.....	Little Rock, Ark.
Vick, John A.....	Little Rock, Ark.
Walser, C. M.....	Little Rock, Ark.
Wilson, J. R.....	Warren, Ark.
Total, 46.	

Statistics.

Graduates	13
Seniors	52
Juniors	62
Sophomores	85
Freshmen	169
Special students	62
Students in short courses in engineering.....	54
Students in the Conservatory.....	26
<hr/>	
Total number of collegiate and Conservatory students.....	523
Preparatory students in the first year.....	305
Preparatory students in the second year.....	243
<hr/>	
Total number of preparatory students.....	548
<hr/>	
Total number of students at Fayetteville.....	1071
Students in the Medical School (Little Rock).....	171
Students in the Law School (Little Rock).....	46
Students in the Branch Normal College (Pine Bluff)...	240
<hr/>	
Total number of students in the University of Arkansas	1528

Degrees

On Commencement Day, June 20, 1905, degrees were conferred by the trustees of the University of Arkansas, as follows:

M. A.

Mock, Lucy Byrd, B. A.

C. E.

Clancy, William, Jr., B. C. E. Ash, Louis Russell, B. C. E.
Lander, Roswell Sears, B. C. E.

B. A.

Abercrombie, Bertha.	Jackson, Bruen Overton.
*Carothers, Neil.	Jefferies, Samuel Smith.
Carter, Edward Leroy.	Jordan, Grace.
Cole, Mary Elizabeth.	Kitchens, Benton Mackie.
Grubbs, John Monroe.	Kunz, Elmer Huett.
Hudgins, Jay Guy.	Reves, Claude Myrtle.
Irby, Alvin Stull.	Williams, Beulah.

B. S.

Carr, Wallace Bradbury.	Legate, Ray Holme.
Cooke, Charles Maynard.	Pope, Norman Percy.
Davis, John Benjamin.	Van Valkenburgh, Horace Bulle.
Jones, Coulter W	Webb, Charles Wallace.

B. C. E.

Beard, Abner Hamilton.	Lark, William Henry.
Chapman, Johnson, Jr.	McGehee, Benjamin.
Cromwell, Charles Williamson.	Pratt, Fletcher Howard.

B. E. E.

Olney, Lee Sedwick.	Webster, Fay.
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B. M. E.

Cockrill, Emmett.

*Degree conferred in September, 1905.

B. S. Agr.

Whitehead, Alexander Dixon.

B. S. Ch.

Dickinson, William Emmett.

B. Mus.

McMillan, Della Madeline.

Manning, Irene.

On April 12, 1905, the degree of M. D. was conferred by the University of Arkansas upon the following candidates:

M. D.

Abbott, C. C.	Hardin, N. V.	Pate, L. H.
Alford, T. F.	Hathaway, A. H.	Powell, J. W.
Allen, R. L.	Herron, W. F.	Pratt, J. B.
Berry, F. O.	Hughes, F. A.	Quidor, J. E.
Berryman, L. D.	Judd, O. K.	Routh, C. M.
Buchanan, A. S.	Martin, J. W.	Shaw, J. B.
Cason, J. R., Jr.	McDonald, C. S.	Shinn, T. J., Jr.
Crump, J. F.	McFerrin, J. O.	Simmons, J. A.
Dejarnatt, J. W.	McMath, J. T.	Utley, V. T.
Dillard, W. H.	Oates, L. T.	Wayman, A. K.
Green, W. C.	Oberholtzer, O.	

In June, 1905, the degree of LL. B. was conferred by the University of Arkansas upon the following candidates:

LL. B.

Apple, W. J.	Hobbs, H. T.	Rutherford, T. E.
Castle, J. T.	Holland, R. C.	Scoggin, W. I.
Cochran, E. E.	McDonald, F. W.	Taney, W. B.
Dudley, R. H.	Rountree, M.	Williams, W. O.
Dulaney, A. D.	Rowe, P. E.	

Collegiate Alumni of the University of Arkansas

Name.	Degree.	Year.	Occupation.	Address.
Abercrombie, Bertha.	B. A.	'05	Teacher	Gravette.
Abercrombie, J. S.	B. A.	'04	Law Student.....	Little Rock
Abernathy, G. C.	B. A.	'00	Lawyer	Warren
Aikin, D. C. B.	C. E.	'89	Civil Engineer.....	
Alden, R.	B. A.	'02	Asst. Cash., Grove Bank..	Grove, I. T.
Allen, Edna.	B. A.	'96	Instr., Prep. School, U. of A.	
Anderson, L. S.	B. L. L.	'84	Clerk in Patent Office....	Washington, D. C.
Arbuckle, J. D.	B. A.	'92	County Clerk.....	Paris
Armistead, C. F.	B. A.	'93	Capt. 6th Artillery, U. S. A.	San Francisco, Cal.
Ash, L. R.	B. C. E.	'93	Draughtsman, Waddell &	
	C. E.	'05	Hedrick	Kansas City, Mo.
Askew, G. H.	B. A.	'98	Insurance Agent.....	Little Rock
Askew, Nancy E.	B. A.	'01	Mrs. C. N. Weems.....	Searcy
Askew, W. H.	B. A.	'97	Lawyer	Magnolia
Ayers, W. E.	B. C. E.	'98	Consulting Engineer.....	Memphis, Tenn.
Barnett, Nettie.	B. L.	'76	Mrs. C. P. Boles.....	Fayetteville
Barr, Ida.	B. S.	'96	Mrs. R. E. Bagley.....	Cameron, Mo.
Barton, R. B.	B. Ph.	'02	Sec. St. Francis Levee Bd.	Memphis, Tenn.
Bates, C. O.	B. A.	'83	Prof. Chem., Coe College..	Cedar Rapids, Ia.
Bates, N. Madge.	B. A.	'03	Teacher, Public School...	Fayetteville
Bates, J. H.	B. A.	'86	Lawyer	Corsicana, Tex.
Baxter, J. W.	B. A., B. S.	'02	Townsite Agent.....	Ft. Smith
Beakley, J. D.	B. Ph.	'02	School Principal.....	Walnut Ridge
Beard, A. H.	B. C. E.	'05	Asst. Eng. S. S. Water Co.	Pittsburg, Pa.
Beattie, Mary.	B. A.	'96	Teacher, Deaf Mute School.	Flint, Mich.
Bell, J. C.	B. A.	'94	Physician, 173 6th St....	Memphis, Tenn.
Bell, M. L.	B. A.	'98	Lawyer	Chicago, Ill.
Bevens, A. W.	B. A.	'98	Bank of Springdale.....	Springdale.
Bibb, Blanche.	B. A.	'93	Mrs. G. A. Humphreys...	New York City
Billings, F. M.	B. C. E.	'03	Asst. Engr., C., B. & Q. Ry.	Tie Siding, Wyo.
Black, J. W.	B. A.	'92	Lawyer	McAlester, I. T.
Blackwell, W. I.	B. C. E.	'92	Engineer	Golden Lake.
Blair, J. H.	B. C. E.	'99	Designer, Va. B. & I. Wks.	Roanoke, Va.
Blakely, Nora.	B. A.	'78	Mrs. H. M. Hudgins.....	Fayetteville.
Blanchard, Fay H.	B. A.	'04	Teacher, Public School...	Sydney, Neb.
Blaylock, J. C.	B. C. E.	'03	Bridge Dep., C. B. & Q. Ry.	Chicago, Ill.
Bloom, J. R.	B. E. E.	'05		
	E. E.	'04	Pine City Electric Co....	Pine Bluff, Ark.
*Booth, W. P.	B. A.	'82	.....
Borden, Alice.		'77	.....
Bostick, J. A.	B. S.	'01	Civil Service.....	Washington, D. C.
*Botefur, Laura D.		'75	Mrs. G. W. Schulte.....	
Bowles, P.	B. C. E.	'88	Civil Engineer.....	Tishomingo, I. T.

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Boyd, W. E.....	B. A.	'96	Lawyer	Cooper, Tex.
Braly, Amanda.....	B. S.	'96	Special Student, U. of A...	Fayetteville, Ark.
Braly, Etta.....	B. S.	'96	Mrs. Thos. McCulloch.....	Lincoln.
Braly, E. H.....	B. A.	'94	Kenefick Const. Co.....	Fayetteville.
Braly, E. K.....	B. M. E.	'97	Bell Tel. Co.....	St. Louis, Mo.
Brewer, O. P.....	B. S.	'93	.....	Webber's Falls, I. T.
Brewster, Hugh.....	B. A.	'03	Prin. of School.....	Coal Hill.
Briggs, O. D.....	B. A.			
	B. Ph.	'02	Helena World.....	Helena.
Brixey, A. M.....	B. A.	'90	Hardware Dealer.....	Mounds, I. T.
Brown, E. T.....	B. C. E.	'00	First Asst. Div. Engr., B. & O. Ry.....	Pittsburg, Pa.
Brown, F. I.....	B. M. E.	'02	Mechanical Engineer.....	Little Rock, Ark.
Brown, H. S.....	M. E.	'01	.....	Tyler, Tex.
Brown, W. D.....	B. A.	'82	Physician	Newtonia, Mo.
Bryan, L. B.....	B. C. E.	'03	Asst. City Engineer.....	Chat'nooga, Tenn.
Buchanan, H. E.....	B. A.	'02	Prof. Math., Lincoln Col.	Lincoln, Ill.
Burney, M. Sue.....	B. A.	'04	Teacher, Public School...	Van Buren.
Butler, H. M.....	B. A.	'79	.....
Campbell, J. L.....	B. A.	'97	Traveling Salesman.....	Greenwood.
*Carden, E. B.....	B. L.	'77	.....
*Carnall, Ella.....	Ph. M.	'81	.....
Carothers, Neil.....	B. A.	'05	Rhodes Scholar.....	Oxford, England.
Carr, W. B.....	B. S.	'05	Graduate Student, U. of A.	Fayetteville.
Carrigan, A. H.....	B. A.	'82	Lawyer	Wichita Falls, Tx.
Carson, Ann E.....		'75	Mrs. John Knight.....	Jonesboro.
Carson, Augusta O.....		'75	Mrs. T. W. Cline.....	Downey, Cal.
Carter, E. L.....	B. A.	'05	Teacher in High School...	Amity.
Cartwright, W. W.....	B. A.			
	B. S.	'03	Fruit Grower.....	Mountain View.
Chanslor, C. K.....	B. A.	'82	Cashier, F. & M. Bank....	Cassville, Mo.
Chapman, J.....	B. C. E.	'05	Engr., St. Francis Levee...	Memphis, Tenn.
Chapple, E. W.....	B. E. E.	'04	Gen. Electrical Co.....	Schenectady, N. Y.
Cherry, W. R.....	B. A.	'82	.....
Clancy, Wm., Jr.....	B. C. E.	'02	Mining Engineer.....	Butte, Mont.
	C. E.	'05		
Clark, E.....	B. A.	'03	Med. Student, J. H. Univ.	Baltimore, Md.
Cochrane, V H.....	B. C. E.	'01	Chf. Drtsmn, Waddell & Hedrick	Kansas City, Mo.
Cockrill, E.....	B. M. E.	'05	.....
Cole, Mary E.....	B. A.	'05	Teacher	Stillwater, Okla.
Collier, J. T.....	B. A.	'01	Teacher	Charleston.
Connelly, S.....	B. A.	'00	Farmer	Poplar Grove.
Cook, L. J.....	B. A.	'04	Cook's Law Office.....	Texarkana.
Cooke, C. M.....	B. S.	'05	.....	Ft. Smith.
Cravens, Jessie.....	B. L. L.	'83	Mrs. O. L. Cravens.....	Neosho, Mo.
Crawford, W. A.....	B. A.	'01	Supt. of Schools.....	Arkadelphia.
Cromwell, C. W.....	B. C. E.	'05	Drtsman, Va. B. & I. Co...	Roanoke, Va.
Crozier, A. B.....	B. E. E.	'79	Electrical Engineer.....	Omaha, Neb.

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Crozier, Elizabeth....	B. A.	'03	Mrs. H. C. Evins.....	Morrow.
Crozier, W. N.....	B. A.	'88	Missionary Lecturer.....	Fayetteville.
Cummings, R. N.....	B. A.	'98	Physician	Salt Lake Cy, U.
Curry, Lula.....	B. S.	'92	Mrs. G. L. Teller.....	Chicago, Ill.
Danaher, M.....	B. A.	'88	Lawyer	Pine Bluff.
Daniels, H. T.....	B. C. E.	'03	Freight Agt., V. T. & G.....	Little Rock.
Davies, Hadgie B....	B. A.	'93	Mrs. L. R. Ash.....	Kansas City, Mo.
Davies, Lila C.....	B. A.	'96	Mrs. Claude Head.....	Texarkana.
Davies, Mary L.....	B. A.	'04	Teacher	Texarkana.
Davis, B. F.....	B. A.	'01	.....	Cherokee
	B. S.			
Davis, F. H.....	B. C. E.	'03	Jr. Eng., Miss. Ry. Com...	Memphis, Tenn.
Davis, J. B.....	B. S.	'05	.....	Chelsea, I. T.
Davis, J. H.....	B. E. E.	'01	Penn. R. R. Co.....	Altoona, Penn.
Davis, Lizzie P.....		'75	Mrs. R. C. Brown.....	Florence, Ariz.
Dickinson, Ruth A..	B. A.	'00	Mrs. Elliot Berry.....	Bentonville.
Dickinson, T. T.....	B. A.	'00	Lawyer	Little Rock.
Dickinson, W. E....	B. S. A.	'05	Asst. Chem., Clemson Coll.	Clemson, S. C.
Dixon, W. E.....	B. A.	'01	Teacher	Waldo
Drake, C. H.....	B. C. E.	'91		
	C. E.	'94	Engineer	Helena.
Drake, N. F.....	B. C. E.	'96	Consulting Geologist.....	Tien-Tsin, China.
Drees, C. J.....	B. E. E.	'96	Pres. Ark. Elec. Mfg. Co.	Little Rock.
Droke, G. W.....	A. M.	'80	Prof. Math., U. of A.....	Fayetteville
Droke, Leila R....	B. A.	'03	Graduate Student, U. of A.	Fayetteville
Droke, M. Josephine.	B. A.	'04	Teacher	Lonoke.
Duncan, W. H....	B. L. L.	'84	Lawyer	Conway.
Dyer, Mollie.....	B. A.	'94	Prof. Eng. & Ger., State College	Tallahassee, Fla.
Earle, Clara	B. A.	'96	Prof. Mod. Languages, Cumberland Univ.....	Lebanon, Tenn.
*Edmiston, W. L..	B. L. L.	'84	.....
Eld, Amanda A.....	B. A.	'98	Teacher	Tuskahoma, I. T.
Eld, C. J.....	B. C. E.	'96	Supt. Const., S. S. Water Co.	Pittsburg, Pa.
Eld, G. W.....	B. M. E.	'00	Engr., Armour Pkg. Co....	St. Joseph, Mo.
Ellis, F. W.....	B. A.	'81	Lieut. U. S. Army.....	Fayetteville.
Ellis, J. R.....	B. E. E.	'03	Bluff City Lumber Co....	Pine Bluff.
Ellis, W. Y.....	B. E. E.	'02	Supt. Pine City E. Co....	Pine Bluff.
England, W. W....	B. A.	'83	.....
Erwin, A. F.....	B. S.	'01	Asst. Prof. Hort., Agr. Coll.	Ames, Iowa.
*Filmore, C. R.....	B. S.	'99	.....
Fishback, L. F.....	B. S.	'89	Lawyer	Alvin, Tex.
Floyd, J. C.....	B. A.	'79	Lawyer and M. C.....	Yellville.
Flynn, W. M.....	B. A.	'88	Teacher	Kennedale, Tex.
Freeman, W. A....	B. A.	'01	.....
	B. S.			
Gallaway, Rowena...	B. A.	'02	Teacher	Fayetteville.
Gannaway, J. R.....	B. A.	'90	Lawyer	Warren.
Gates, D. D.....	B. A.	'84	Co. Judge, Desha Co.....	Arkansas City.

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Gibson, F. I.....	B. S.	'02	Chemist	Vicksburg, Miss.
Gibson, J. E.....	B. M. E.	'94	Eng. Am. Pipe & Mfg. Co.	Philadelphia, Pa.
Goodwin, W. P.....	B. L. L.	'84	Lawyer and State Senator.	Warren.
Gordon, Belle E.....	B. A.	'76	Librarian	Chicago, Ill.
Gray, W. D.....	B. A.	'00	Grad. Student, Cornell Un.	Ithaca, N. Y.
Greaves, C. D.....	B. A.	'83	Lawyer	Hot Springs.
*Gregg, A. W.....	B. A.	'76	.....	.....
Gregg, A. S.....	B. A.	'78	Physician	Fayetteville.
Gregg, L. W.....	B. A.	'82	Lawyer	Fayetteville.
Grubbs, J. M.....	B. A.	'05	Teacher	Little Rock.
Hall, C. E.....	B. C. E.	'93	Auditor, D. & R. Ry.....	Dardanelle.
Hall, H. J.....	B. A.	'94	Editor	Waldron.
Hamilton, W. J.....	B. A.	'92	Teacher	Huntington.
Hardin, Lena J.....	B. A.	'02	Teacher	Fayetteville.
Hardin, Nina V.....	B. A.	'02	Graduate Student, U. of A.	Fayetteville.
Harding, A. M.....	B. A.	'04	Inst., Prep. School, U. of A.	Fayetteville.
Harris, Agnes.....	B. A.	'76	Mrs. W. T. Johnson.....	Kansas City, Mo.
Harris, Sara F.....	B. A.	'76	Mrs. C. P. Conrad.....	Kansas City, Mo.
Harris, W. M.....	B. A.	'03	Law Student, Col. Univ....	New York City.
*Harrison, Grace.....	B. S.	'89	Mrs. T. L. Brown.....	.....
Harrod, J. H.....	B. A.	'79	Lawyer	Little Rock.
Hart, J. C.....	B. A.	'85	Chancellor	Little Rock.
Hawkins, J. F.....	.....	'79	Physician	Mount Holly.
Head, J. D.....	B. A.	'94	Lawyer	Columbia.
Heberley, J. A.....	B. S.	'93	Chemist	Germany.
Hedrick, I. G.....	B. C. E.	'92	Conslt. Engr., Waddell &	.....
.....	C. E.	'99	Hedrick	Kansas City, Mo.
Henderson, G. D.....	B. A.	'01	Lawyer	Little Rock.
Hervey, W. R.....	B. S.	'90	Lawyer	Los Angeles, Cal.
Hillis, E. W.....	B. L. L.	'84	Lawyer	Jonesboro.
*Hobbs, J. H.....	B. A.	'88	.....	.....
Hobbs, W. D.....	B. A., B. S.	'01	Principal Public School....	Dermott.
Hon, Daniel.....	B. A.	'82	Lawyer	Waldron.
Holcomb, Cener.....	B. A.	'92	Mrs. E. F. Ellis.....	Fayetteville.
Holcomb, Jobelle.....	B. A.	'98	Grad. Student, Cornell Un.	Ithaca, N. Y.
Holt, F. W.....	B. A.	'03	Paymaster U. S. N.....	Battleship Cin'ati.
Honnett, A. M.....	B. E. E.	'03	Elec. Eng., Laclede Gas & Electric Co.....	St. Louis, Mo.
Honor, J. L.....	B. A.	'00	Lawyer	Helena.
Horsfall, F.....	B. S.	'00	Mo. Fruit Exp. Sta.....	Mountain Gr., Mo.
Horton, S. A.....	B. A.	'91	Lawyer	Fairview.
Howell, E.....	B. A.	'01	Teacher, S. W. Va. Inst....	Bristol, Va.
Howell, J. W.....	B. S.	'97	First Lt. 4th Inf., U. S. A.	.....
Hudgins, J. G.....	B. A.	'05	Teacher	Clarendon.
Hudgins, W. H.....	B. C. E.	'01	Draughtsman, M. V. Ry....	Skiatook, I. T.
Hudson, J. H.....	B. L. L.	'84	Farmer	Dardanelle.
Huie, R. W., Jr.....	B. A.	'99	Banker	Arkadelphia.
Humphreys, G. A.....	B. A.	'90	Physician	New York City.
Irby, A. S.....	B. A.	'05	Student, Law School.....	Little Rock.

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Jackson, B. O.....	B. A.	'05	.....	Hamburg.
Jeffries, S. S.....	B. A.	'05	Law Student.....	Little Rock
Jennings, E.....	B. A.	'77	.....	.....
Johnson, A. P.....	B. A.	'76	Lawyer	Winfield, Kan.
*Johnson, T. M....	B. L. L.	'80	.....	.....
Jones, C. W.....	B. S.	'05	.....	Lono.
Jones, G.....	B. L. L.	'82	Lawyer	Newport
Jordan, Grace.....	B. A.	'05	Student, Library School...	Albany, N. Y.
Kimball, G. H....	B. C. E.	'92	Eng., Supt. Public Works...	Little Rock
King, Artelle A....	B. L. L.	'80	Mrs. J. C. Belt.....	Brooken, I. T.
Kinsworthy, E. B..	B. L. L.	'85	Ex-Atty-Gen of Ark., Law...	Little Rock
Kirby, F. B.....	B. A.	'89	Physician	Harrison
Kitchens, B. M.....	B. A.	'05	.....	Paragould.
Kitchens, T. B.....	A. M.	'80	Banker	Paragould
Knott, V. P.....	B. C. E.	'04	Instructor C. E., U. of A.	Fayetteville
Kunz, E. H.....	B. A.	'05	.....	Fayetteville.
Lake, Ella	B. L. L.	'84	Mrs. S. W. Barnett.....	Viney Grove
Lander, R. S.....	C. E.	'05	.....	.....
	B. C. E.	'02	C. E., W. H. Hunt Co....	Zeigler, Ill.
Langford, B. W....	B. A.	'04	Bookkeeper, Fox Bros....	Pine Bluff
Langford, W. H....	B. A.	'80	Banker, Trustee U. of A.	Pine Bluff
Lanier, J. A.....	B. A.	'82	.....	.....
Lark, W. H.....	B. C. E.	'05	Asst. Div Eng., Mo. P. Ry.	Little Rock
Legate, R. H.....	B. S.	'05	Y. M. C. A. Sec., Clemson College	South Carolina
Leverett, Abbie.....	B. A.	'94	Mrs. J. H. Taff.....	Marsa, Tex.
Leverett, E. V....	B. M. E.	'04	.....	.....
	M. E.	'05	City Electrician	Bentonville
Leverett, Mary.....	B. A.	'86	Mrs. J. A. Taff.....	Washington, D. C.
Leverett, Rose C....	B. A.	'97	Mrs. J. A. Edwards.....	Cordell, Okla.
Lipse, D. B.....	B. S.	'96	Bookkeeper, Conner & Co.	Fayetteville
Longino, J. L....	B. M. E.	'03	Electrical Engineer.....	St. Louis, Mo.
	B. E. E.	'03	.....	.....
Marrs, S. E.....	B. A.	'79	Editor of The Democrat...	Fayetteville
Marshall, J. C.....	M. A.	'79	Lawyer	Little Rock
Martin, M.....	M. E.	'91	Mechanical Engineer.....	Denver, Col.
Martin, Pearl.....	B. S.	'93	Teacher	Fayetteville
Martineau, J. E....	B. A.	'96	Lawyer	Little Rock
Massie, J. C.....	B. A.	'77	Salesman	Fayetteville
Mayes, J. F.....	B. A.	'83	U. S. Marshal.....	Ft. Smith
McAlester, E. W....	B. E. E.	'04	Elec. Eng., S. McA. R. R.	McAlester, I. T.
McCain, W. R.....	M. A.	'98	In Business.....	Little Rock
McConnell, J. L....	B. C. E.	'02	Supt. Const., Winona Tr. Co.	Winona Lake, Ind.
McDonough, J. B....	B. A.	'82	Reed & McDonough, Attys.	Ft. Smith
McFarlane, R. W....	B. A.	'82	.....	.....
	M. A.	'84	Lawyer & Member of Cap- itol Com.....	Greenwood
McGehee, A.....	B. A.	'03	Law Student, Col. Univ....	New York City
McGehee, B.....	B. C. E.	'05	Asst. Eng., I. M. Ry.....	Little Rock

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
McKinney, C. F.....		'75	Ferguson & McKinney.....	St. Louis Mo.
McNeeley, J. C....B. C. E.		'89	Planter	Ashvale
McNeill, D. A....B. M. E.		'97	Supt. of Factory.....	Salem, Ohio
McRea, C.....B. C. E.		'01	Planter	Mount Holly
Means, E. D.....B. A.		'00	Principal, Pub. Schools...	Monticello
Mellette, W. M....B. L.		'77	Mellette & Smith, Attys...	Vinita, I. T.
Melton, Hattie C....B. A.		'03	Mrs. M. L. Cotton.....	Stigler, I. T.
Middleton, Mai.....B. A.		'86	Mrs. R. Chasteen.....	Pawnee, Okla.
Middleton, R. J....B. C. E.		'03	Bridge Dept., C., M. & St. P. Ry.....	Chicago, Ill.
Milum, R. W.....B. A.		'04	In Business.....	Harrison
Mitchell, S. A.....B. A.		'03	Law Student, Un. of Mich.	Ann Arbor, Mich.
Mobberly, H. P....B. C. E.		'94	La. East & West Ry.....	Bunkie, La.
Mock, E. L.....B. A.		'94	W. D. Cleveland & Son...	Houston, Tex.
Mock, L. Byrd.....B. A.		'94		
	M. A.	'05	Conservatory Student.....	Fayetteville
Moore, B. L.....B. A.		'00	Lawyer	Van Buren
Moore, J. F.....B. S.		'93	Dealer in Furniture.....	Fayetteville
Moore, J. H.....B. S.		'93	Chemist, Mathieson Alkali Chemical Co.....	Saltville, Va.
Moore, J. I.....B. A.			Lawyer	Helena
Moore, J. L.....B. M. E.			Draughtsman, Westinghouse Mfg. Co.....	Pittsburg, Pa.
Moore, Lucy J.....		'75	Mrs. J. G. Ross.....	Fayetteville
Mooring, D. C.....M. S.		'03	Inst. in Hort., A. & M. Col.	Mississippi
Morrow, D. C....B. E. E.		'97	Engineer	Eureka Springs
Morrow, H. E....B. S. A.		'04	Adj. Prof. Chem., U. of A.	Fayetteville
Morrow, Mattie W....B. S.		'90	Mrs. J. Wilson.....	Fayetteville
*Mulholland, Sara...B. A.		'86	Mrs. J. F. Mayes.....	
Muller, J. F....B. M. E.		'03	Mechanical Engineer.....	Little Rock
Mullins, G. W.....B. A.		'04	Inst. in Math. & Comndt., Mtn. Home Academy....	Mountain Home
Mundt, L. J...B. A., B. S.		'01		Helena.
Myar, A. J.....B. C. E.		'96	Engr., St. L. B. & I. Co.	St. Louis, Mo.
Neal, W. H.....B. L.		'76	Lawyer	Van Buren
Nelson, R. J.....B. S.		'04	Field Agt., Agr. Exp. Sta.	Fayetteville
Newman, A. J.....B. A.		'91	Lawyer	Little Rock
Newman, L. L....B. E. E.		'01	Elec. Engr., Penn. Ry....	Altoona, Pa.
Nichols, G.....B. A.		'98	Journalist	Denver, Col.
Notrebe, E. P.....		'85	Physician	Kansas City, Mo.
Oats, T. F.....B. A.		'92	Physician	Mexia, Texas
Obenshain, Ora.....B. S.		'89	Teacher	Eureka Springs
Olney, L. S.....B. E. E.		'05	Inst. Elec. Engr., U. of A.	Fayetteville
Orto, C. H.....B. A.		'00	Pulaski Trust Co.....	Little Rock
Pace, Ida.....B. A.		'98	Mrs. A. H. Purdue.....	Fayetteville
Patterson, Daisy B...B. A.		'99	Teacher, Galloway College.	Searcy
Patton, C. C.....B. A.		'91	Lawyer	Hillsboro, Ohio.
Patton, L. Alice....A. M.		'79	Teacher	Prairie Grove
Patton, Mattie J...B. L. L.		'80	Mrs. Chas. Jenkins.....	Denver, Col.

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Pettigrew, T. A.....	A. M.	'78	Lawyer	Charleston
Pharr, H. N.....	B. C. E.	'93	Chief Engineer, St. Francis	
	C. E.	'00	Levee Board.....	Memphis, Tenn.
*Pharr, J. S.....	B. A.	'92		
Philbeck, R. E.....	B. A.	'00	Inst., Prep. School, U. of A.	Fayetteville
Phillips, C. O.....	B. A.	'04	Asst. Bookkeeper, Bk. of F.	Fayetteville
Pickel, J. W.....	B. A.	'82	Physician for F. Glass Co.	Crystal City, Mo.
Pitman, R. F.....	B. S.	'94	Chem., Sloss I. & S. Co.	Birmingham, Ala.
*Polson, Alice.....	B. S.	'88	Mrs. W. C. Hutchinson..	
Pope, N. P.....	B. S.	'05		Roswell, N. M.
Powell, W. W.....	B. A.	'88	Lawyer	Batesville
Pratt, F. H.....	B. C. E.	'05	Asst. City Engineer.....	Ft. Smith
Price, C. G.....	B. A.	'98	Bookkeeper, Yowell & Wms.	Little Rock
Pruett, W. E.....	B. C. E.	'97	C., M. & St. P. Ry.....	Chicago, Ill.
Purdy, Lizzie.....	B. S.	'00	Mrs. Geo. Darden.....	Carey, Miss.
Putman, Anna.....	M. A.	'75	Mrs. C. M. King, Teacher.	Fayetteville
Quarles, T. R.....	B. M. E.	'04	Mechanical Engineer	Guthrie, Okla.
Rattenbury, W. H....	B. A.	'00	Traveling Salesman	Salt Lake City, U.
Redus, J. L.....	B. A.	'96		Lead Hill.
Reed, G. W. M., Jr.	B. L. L.	'84	U. S. Census Office.....	Washington, D. C.
Reed, Lina X.....	B. A.	'92	Prof. of Eng., Wysbg. Coll.	Waynesburg, Pa.
*Reed, Maggie.....	B. A.	'78	Mrs. Presley Crawford....	
Remy, Mollie.....	B. A.	'96	Mrs. S. C. Treadwell....	Tishomingo, I. T.
Reves, C. M.....	B. A.	'04	School Principal.....	Springdale
Rieff, O. S.....	B. A.	'81	Lawyer	Little Rock
Rife, W. B.....	B. A.	'03	Prin. Public School.....	Springdale
Risser, T. S.....	B. E. E.	'04	Elec. Eng., D. M. Tel. Co.	Des Moines, Ia.
Rogers, P. A.....	B. A.	'92	Mgr. Ozark Fruit Growers'	
			Ass'n	Gravette
Ross, H. L.....	B. A.	'01	Presbyterian Minister....	Cane Hill.
Ross, Lucy I.....	B. A.	'01	Teacher	Fort Smith.
Ross, W. A.....	B. A.	'98	Presbyterian Minister....	Fort Smith.
*Ross, Z. C.....	A. B.	'80		
Ruggles, W. A....	B. E. E.	'03	Elec. Eng., Penn. Ry....	Altoona, Pa.
Russell, L.....	A. B.	'80	Lawyer	Russellville
Sadler, C. L.....	B. C. E.	'01	Topographer, U. S. G. Sur.	Washington, D. C.
Sanders, C. F.....	B. A.	'99	School Principal.....	Hot Springs.
Sanders, T. E.....	B. S.			
	B. Ph.	'01	Physician	Hot Springs
Saxon, R. L.....	B. A.	'03	Physician	El Dorado.
Schoff, G. C.....	B. C. E.	'88	Civil Engr., Babcock-Wil-	
			cox Co.....	Philadelphia, Pa.
Sedwick, T. D.	B. A., B. S.	'02	Chemist, R. I. Ry.....	Chicago, Ill.
Shell, G. C.....	B. L. L.	'82	Lawyer	Lake Village
Shellenberger, Alice.	B. A.	'04		Fayetteville
Shreve, A. W.....	B. C. E.	'91	In Business.....	Farmington
Shreve, H. B.....	B. C. E.	'91	Engr., Johnston Steel Co.	Lorain, Ohio
*Simms, W. D.....	B. L.	'77		
*Simonds, Alice.....	B. S.	'96	Mrs. A. V. Smith.....	

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Skelton, G. V....	B. C. E.	'91		
	C. E.	'95	Prof. Math., Agr. Coll....	Corvallis, Ore.
Skelton, J. E.....	B. S.	'97	Chem., Roane S. & I. Co....	Rockwood, Tenn.
Slagle, Ida.....	B. A.	'89	Mrs. W. J. Gilbreath.....	Kansas City, Mo.
Sloan, C. C.....	B. S.	'00	Physician	Moline, Ill.
Smith, A. V.....	B. A.	'98	Law'r, 18 Pl. de Cervantes.	Manila, P. I.
Smith, C. D.....	B. A.	'02	U. S. Geol. Survey.....	Washington, D. C.
Smith, Fannie Marie.	B. A.	'01		El Dorado
Spencer, E. L.....	B. A.	'98	Teach., Hist., High School.	Tacoma, Wash.
Stanford, A. F....	B. C. E.	'04	Res. Eng., St. F. Levee Bd.	Memphis, Tenn.
Streepy, J. P.....	B. A.	'03	Student, Law School.....	Little Rock
Stone, B. H.....	B. A.	'04	Law Student, Univ. of Va.	Charlottesville, Va.
Stroup, H.....	B. A.	'83	Lawyer, Trustee U. of A.	Paris
Stubblefield, D. T..	B. A.	'01	Stenographer, Ind. Com....	Muskogee, I. T.
Stubblefield, G....	B. C. E.	'02	U. S. Irrigation Engr.....	Pendleton, Ore.
Sutton, Mabel.....	B. A.	'02	Mrs. A. W. Wasson.....	Seoul, Corea
Sutton, W. S.....	A. M.	'78	Prof. Ped., Un. of Tex....	Austin, Tex.
Swearingen, S. C...B. A.		'04	Teacher	Jacksonville
*Taff, A.....	B. C. E.	'90		
Taff, J. L.....	B. A.	'84	Supt. of Schools.....	Austin, Tex.
Taff, Mary.....	B. A.	'89	Mrs. G. V. Skelton.....	Corvallis, Ore.
Taliferro, Lou....	B. L. L.	'83	Stenographer	Kansas City, Mo.
Taylor, E. L.....	B. L.	'76	Lawyer	Bentonville
Taylor, D. W.....	B. A.	'00	Bookkeeper	Pine Bluff
Taylor, R.....	B. A.	'03	Inst., Prep. School, U. of A.	Fayetteville
Teague, C. V.....	B. A.	'79	Lawyer	Hot Springs
Thomason, Annie C..	B. A.	'01	Mrs. C. L. Dunlap.....	Fayetteville
Tillar, B. J.....	B. A.	'86	Capitalist	Ft. Worth, Tex.
Tillman, J. N....	B. L. L.	'80	President, Univ. of Ark..	Fayetteville
Towler, G. F.....	B. A.	'00	In Business.....	Bearden
Treadway, W. A..	B. E. E.	'01		
	E. E.	'04	Treadway Elec. Co.....	Little Rock
Treadway, W. A..	B. E. E.			
	E. E.	'01	Treadway Elec. Co.....	Little Rock.
Treadwell, L.....	C. E.	'88	Engr., St. L. & S. F. Ry..	New Orleans, La.
Treadwell, S. C.....	B. A.	'84	Lawyer	Tishomingo, I. T.
Triplett, C. H.....	B. A.	'01	In Business.....	Pine Bluff
Vance, A. M.....	B. C. E.	'93	Engr., Mo. Pac. Ry.....	Carthage, Mo.
Vandeventer, J....	B. S.	'93	U. S. Army.....	
VanValkenburgh, H. B.,				
	B. S.	'05	Y. M. C. A. Sec., U. of Ga.	Athens, Ga.
Vaughan, George....	B. A.	'96	Lawyer	Little Rock
Vaulx, Eleanor.....	B. A.	'04	Public School Teacher....	Fayetteville
Vaulx, Julia.....	B. A.	'92	Instructor, Univ. of Iowa..	
Vaulx, Katherine D..	B. A.	'97	Teacher	
Vaulx, S. F.....	B. A.	'92	Bluff City Lumber Co....	Pine Bluff
Waggener, Annie....	B. L.	'77	Mrs. Marcus.....	Cincinnati, Ohio
Waggener, W. J....	A. M.	'76	Prof. Nat. Phil., U. of Col.	Boulder, Col.
Walker, J. V.....	B. A.	'77	Lawyer	Fayetteville

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Walker, J. W.....	B. A.	'04	Med. Student, Wash. Univ.	St. Louis, Mo.
Watson, C. A.....	B. A.	'77	Fruit Grower.....	Fayetteville
Watson, J. J.....	B. A.	'81	Teacher	Stockton, Cal.
Warren, G. A.....	B. L.	'88	Physician	Black Rock
Wasson, A. W.....	B. A.	'02	Missionary	Seoul, Corea
Webb, C. W.....	B. S.	'05	Med. Student, J. H. Univ.	Baltimore, Md.
Webster, Fay.....	B. E. E.	'05	Elect. Engineer	Marvell.
Webster, Olive S....	B. A.	'01	.....	Marvell.
Wheeler, J. N.....	B. A.	'90	Capitalist	Warren
Whitehead, A. D....	B. S. A.	'05	Teacher	Folmina
Weems, C. N.....	B. A.	'99	Prof., Galloway Coll.	Searcy
Wiley, Pearle.....	B. S.	'02	Teacher, Science, Galloway College	Searcy
Wiley, Winona May.	B. A.	'99	High School Teacher.....	Little Rock.
Wilkinson, W. N....	B. A.	'01	Bank Clerk	Mansfield
Williams, Beulah....	B. A.	'05	Teacher, Public School...	Fayetteville
Williams, C. X.....	B. A.	'04	Medical Student.....	Little Rock
Williams, Hattie....	B. A.	'98	Teacher, Public School...	Fayetteville
Williams, Jennie....	B. A.	'96	Teacher, Public School...	Fayetteville
Williams, Naomi J...	M. A.	'80	Inst., Prep. School, U. of A.	Fayetteville
*Willis, R. H.....	B. A.	'88	.....	.....
Wilson, H. H.....	B. E. E.	'01	Elec. Eng., Penn. Ry....	Altoona, Pa.
Wilson, J. R.....	B. A.	'04	Law Student	Little Rock
Wilson, W. O.....	B. A.	'04	High School Teacher.....	Ft. Smith
Womack, J. P.....	B. A.	'03	School Principal.....	Stephens
Wood, A. C.....	B. M. E.	'92	Engineer	Philadelphia, Pa.
Wood, B. F.....	B. E. E.	'93	Asst. Eng., Penn. Ry....	Altoona, Pa.
Wood, C. D.....	B. A.	'79	Assoc. Jus., Supreme Court.	Little Rock
Wood, C. F.....	B. C. E.	'04	Transitman, La. Ry. & Nav. Co	Laplace, La.
Wood, G. B.....	B. A.	'99	K. C. So. Ry. Office.....	Texarkana
Woodall, W. H.....	B. A.	'85	Principal, Female College..	Lake City, Fla.
Wolverton, C. D....	B. LL.	'85	Teacher	Center Ridge
Young, Daisy.....	B. A.	'00	Inst., Prep. School, U. of A.	Fayetteville

*Deceased.

Collegiate Alumni Association

The object of this association is to maintain the interests of the graduates in the institution and bring them into a closer relation with the University. To this end all of its collegiate graduates are regarded as members. The association holds an annual meeting and banquet at some time during commencement week. The officers are as follows:

DANIEL HON, '82, *President*.

DAISY YOUNG, '00, *Secretary*.

IDA PACE PURDUE, '88, *Treasurer*.

G. W. DROKE, '80,

NORA BLAKELY HUDGINS, '78,

T. A. PETTIGREW, '78,

J. F. MOORE, '93,

} *Executive Committee.*

U. of A. Alumni Association of Memphis, Tenn.

The object of this association is to help the interests of the University and to promote friendly relations among the former and present students of the University who reside in or visit Memphis and vicinity. Annual meetings are held on the first Tuesday in May, and quarterly meetings on the first Tuesday in August, November, and February. The officers of the association are:

H. N. PHARR, '93, *President*.

J. C. BELL, '94, *Vice-President*.

T. D. LAWLER, *Secretary and Treasurer*.

It is hoped that the former and present students of the University in other places will organize local associations.

Alphabetical List of Officers and Students of the Departments at Fayetteville

Abbreviations.—*Adj. Prof.*, Adjunct Professor; *Assoc. Prof.*, Associate Professor; *C.*, Conservatory of Music and Arts; *Fr.*, Freshman; *G.*, Graduate; *Instr.*, Instructor; *Jr.*, Junior; *1 P.*, First Year Preparatory; *2 P.*, Second Year Preparatory; *Prof.*, Professor; *S. C.*, Short Course in Engineering; *So.*, Sophomore; *Sp.*, Special; *Sr.*, Senior; *Un.*, Unclassified. For students by classes, see pp. 170-193; for officers, see pp. 9-13 and 18-19.

Abbott, T. D., 2 P.	Barr, F., <i>Band Instr.</i>	Blackman, Lula, <i>Sp.</i>
Acuff, S. O., <i>S. C.</i>	Barrett, F. B., <i>Sr.</i>	Blackshire, P. L., <i>Sr.</i>
Acuff, W., <i>S. C.</i>	Barrett, R., <i>So.</i>	Blackwell, R. C., 1 P.
Adams, C. F., <i>Entom.</i>	Barry, Lucile L., <i>Sp.</i>	Blackwood, W. J., 2 P.
Adams, J. W., <i>Fr.</i>	Barry, W. T., 1 P.	Blair, D. B., <i>Jr.</i>
Adkinson, W., 1 P.	Barton, Maude L., <i>So.</i>	Blair, J. H., 2 P.
Aikin, E. M., 1 P.	Bashe, Bertha, 1 P.	Blair, Leora, <i>Jr.</i>
Albright, Ella, <i>Jr.</i>	Bassett, J. W., 1 P.	Blair, T. C., <i>Fr.</i>
Alexander, J. L., <i>S. C.</i>	Bates, Beulah F., <i>Sp.</i>	Blake, Estelle M., <i>Instr.</i>
Allen, C. B., 2 P.	Baum, E. J., <i>Sp.</i>	Blakemore, Amy, <i>Fr.</i>
Allen, E., 2 P.	Baum, Leah C., 1 P.	Blakemore, T. L., <i>So.</i>
Allen, Edna, <i>Instr.</i>	Bayley, W. S., <i>Fr.</i>	Bland, B. F., <i>S. C.</i>
Allen, Ethel, 2 P.	Beauchamp, E. R., 1 P.	Boggs, W. H., <i>Fr.</i>
Allen, Francis V., 2 P.	Beckett, C. M., <i>So.</i>	Bohart, A. G. T., <i>Sp.</i>
Allen, J. C., <i>Fr.</i>	Beckett, Lovel, <i>So.</i>	Boles, A. P., <i>So.</i>
Alley, W. C., 2 P.	Belknap, Beatrice V., <i>C.</i>	Boles, C. B., 2 P.
Allison, S., 1 P.	Belknap, J. R., <i>So.</i>	Boles, Flora A., <i>So.</i>
Alston, E. R., <i>Sp.</i>	Bell, C. K., 1 P.	Bolinger, W. A., <i>Jr.</i>
Anderson, Mary, <i>Sp.</i>	Bell, Lexie L., <i>Fr.</i>	Bolling, Falls, 1 P.
Andrix, Annie M., 1 P.	Bell, Mabel C., 2 P.	Bond, C. S., 1 P.
Andrix, E. R., <i>Sr.</i>	Bell, R. F., 1 P.	Booth, Dunlap, 2 P.
Armstrong, F., 1 P.	Bennett, E. J., <i>Fr.</i>	Borders, J. M., <i>Sr.</i>
Arnold, Jessie G., <i>Sp.</i>	Benson, F. P., <i>So.</i>	Bost, J. V., 1 P.
Astin, E. J., 1 P.	Bently, F., 1 P.	Bowen, A. W., <i>S. C.</i>
Attibury, Ollie, 1 P.	Bernard, Harry, <i>S. C.</i>	Bowers, E. J., <i>S. C.</i>
Audigier, Louie, <i>Fr.</i>	Bernard, Lynette, 2 P.	Brace, L. E., 2 P.
Austin, R. L., <i>Sr.</i>	Berryman, E. A., <i>S. C.</i>	Brack, C. L., <i>So.</i>
Babb, W. P., 1 P.	Bettis, A. B., <i>So.</i>	Bradford, C. G., 1 P.
Baird, Cordelia, <i>Instr.</i>	Bickel, N. E., <i>Fr.</i>	Braly, Amanda L., <i>G.</i>
Baker, Frank, <i>S. C.</i>	Biggs, Fred, 1 P.	Braly, Mary L., <i>So.</i>
Baker, G. C., <i>Jr.</i>	Bills, A. F., 2 P.	Braly, W. C., <i>Jr.</i>
Baker, H. D., 2 P.	Bird, E. V., <i>So.</i>	Breckenridge, G. T., <i>Trustee.</i>
Balch, C. P., <i>Jr.</i>	Black, Curtis, <i>Fr.</i>	Breen, Augustine M., 1 <i>P.</i>
Ballard, B. C., <i>Sr.</i>	Black, Kate E., 2 P.	Brizzolara, J., <i>So.</i>
Ballard, Jerrod, <i>Jr.</i>	Black, Luney, 2 P.	Brockman, E. W., <i>Sr.</i>
Ballard, Lydia, 2 P.	Black, R. L., 2 P.	
Barnes, Ada A., 2 P.	Blackford, O. C., 2 P.	

- Broderson, Genevieve C., *Instructor*.
 Brooks, G. L., 1 P.
 Brotherton, W. R., 1 P.
 Brough, C. H., *Prof.*
 Brown, C. C., 2 P.
 Brown, Elizabeth A., *Fr.*
 Brown, Ethel, *Fr.*
 Brown, R. V., 2 P.
 Brownson, Sarah E., 2 P.
 Broyles, E., 1 P.
 Broyles, L. R., 1 P.
 Bruce, Maude L., 1 P.
 Brunskog, C. W., *Sr.*
 Brunson, Ida L., 2 P.
 Brunson, T. R., *So.*
 Bryan, G. A., 2 P.
 Bryan, W. J., 2 P.
 Bryan, Zella, C.
 Bryant, J. A., *Fr.*
 Bryant, R. B., *So.*
 Bryant, W. C., *Jr.*
 Bryson, J., S. C.
 Buck, W. R., *Fr.*
 Buckalew, I. L., 1 P.
 Bullock, W. L., *Fr.*
 Bumpass, E. K., *Fr.*
 Bunn, J. B., *Jr.*, *Fr.*
 Burbank, F. E., 1 P.
 Burgin, W., 1 P.
 Burrow, C. M., *Sp.*
 Burton, M., S. C.
 Buttram, Phebe, 1 P.
 Cabe, R. L., *So.*
 Campbell, C. H., 2 P.
 Campbell, G. W., *Fr.*
 Campbell, L. L., *Sr.*
 Campbell, Minerva M., *Fr.*
 Campbell, S. J., 2P.
 Cannon, Ida, 2 P.
 Cannon, Jesse, 2 P.
 Cannon, Margaret, 1 P.
 Carl, A. L., 1 P.
 Carpenter, Sam, *Sp.*
 Carr, J. W., *Prof.*
 Carr, Susye, *Sp.*
 Carr, W. B., G.
 Carroll, C. G., *Prof.*
 Carter, Bessie, 1 P.
 Carter, H. R., *Jr.*
 Carter, Noma, *Fr.*
 Carter, N. Delford, *Sp.*
 Carter, W., 1 P.
 Cash, C. C., 2 P.
 Catts, E. C., *Sr.*
 Cazort, C. A., *Jr.*
 Cazort, T. J., *Sp.*
 Chamberlain, R., 2 P.
 Chandler, J. E., *Fr.*
 Chapman, G. A., *Fr.*
 Chapman, Mabel E., 2 P.
 Chapman, Sue E., 1 P.
 Charlesworth, Claud, 1 P.
 Cheney, Marie, C.
 Cheney, Pauline, 2 P.
 Chester, C. W., 1 P.
 Childress, Mary V., 2 P.
 Childress, Norah, *So.*
 Chism, A. T., S. C.
 Chunn, G. D., *So.*
 Church, F., 1 P.
 Clark, Grace A., 1 P.
 Clark, Pearl, *Sp.*
 Clark, Ruby E., 1 P.
 Clayton, J. M., 1 P.
 Cocke, Nannie, 1 P.
 Coffman, Asa B., 2 P.
 Coker, A., *Jr.*
 Coker, John, *Fr.*
 Coker, Roy, *Jr.*
 Cole, G. A., *Prof.*
 Coleman, E. B., 1 P.
 Collins, A., 1 P.
 Collins, Inez E., 1 P.
 Collins, J. E., 1 P.
 Collins, T. A., *Sr.*
 Combs, Bertha, *Sp.*
 Combs, Walter, *Jr.*
 Comstock, K. M., 2 P.
 Conley, J., *Fr.*
 Conner, Verna L., 2 P.
 Conner, W. D., 2 P.
 Cook, E. F., *So.*
 Cook, E. T., 1 P.
 Cook, F. M., *Sp.*
 Cook, Ira, *So.*
 Cook, J. F., 2 P.
 Cook, Lela, 2 P.
 Cook, Maude, 1 P.
 Cook, S. D., 1 P.
 Cook, S. M., 1 P.
 Cotham, F. E., S. C.
 Cotnam, C., *So.*
 Counts, J., *Sp.*
 Cowling, A. D., *So.*
 Cowling, Ora M., 2 P.
 Cox, Mary J. T., 1 P.
 Cox, Nell, 1 P.
 Cox, O. G., *Fr.*
 Craig, Irene A., 1 P.
 Craig, Mary A., 2 P.
 Craig, P. G., *Sr.*
 Crawford, Gertrude, *Instr.*
 Crawford, J. B., 2 P.
 Crawford, V. H., 2 P.
 Crenshaw, C. L., 2 P.
 Critzer, E. B., *Instr.*
 Crockett, Mrs. Willie V., *Instr.*
 Crook, C. B., *Fr.*
 Croom, C., *Sr.*
 Croom, J. A., 2 P.
 Cross, Cage, *Sp.*
 Crow, Blaine, *Fr.*
 Crownover, J. H., 2 P.
 Crozier, Ruth M., *Jr.*
 Cubage, J. G., *Sr.*
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